CENTRAL IOWA WATER WORKS

4601 Westown Pkwy, Suite 122
West Des Moines, IA 50266
email: info@ciww.gov

AGENDA

Board of Trustees
Central Iowa Water Works
December 17, 2025
3 Fountains Edgewater Building
4200 University Avenue, Suite 134
West Des Moines, IA 50266
3:00 p.m.

Please join our meeting from your computer, tablet or smartphone.
Join Zoom Meeting
Meeting ID: 810 4233 4898
Passcode: 633509
United States:
+1 (309) 205-3325

Item 1: Call to Order

Item 2: Roll Call

Item 3: Approving Agenda, as presented or amended.

Item 4: Public Comment (Please state name, address, and limit comments to five minutes)

Item 5: Public Hearings and Related Actions

A. Public Hearing – Procurement of Membrane Filtration (MF), Ultrafiltration (UF), and Reverse Osmosis (RO) Equipment for the Saylorville Water Treatment Plant (SWTP) 10 MGD Expansion

B. Resolution – Holding Hearing on Procurement of Membrane Filtration (MF), Ultrafiltration (UF), and Reverse Osmosis (RO) Equipment for the Saylorville Water Treatment Plant (SWTP) 10 MGD Expansion

C. Motion – Award of Membrane Filtration (MF), Ultrafiltration (UF), and Reverse Osmosis (RO) Equipment for the Saylorville Water Treatment Plant (SWTP) 10 MGD Expansion to Wigen-Toray

D. Public Hearing – Instituting Proceedings to Take Additional Action for the Authorization of a Loan and Disbursement Agreement and the Issuance of Not to Exceed $7,000,000 Water Revenue Capital Loan Notes

E. Resolution – Instituting Proceedings to Take Additional Action for the Authorization of a Loan and Disbursement Agreement and the Issuance of Not to Exceed $7,000,000 Water Revenue Capital Loan Notes (A weighted vote is required. Such vote requires votes representing a majority of the weighted vote allocation plus votes representing at least three (3) member agencies for the action to be adopted by the board.)

Item 6: Consent Agenda (Note: These are routine items and will be enacted with one vote without separate discussion unless someone, Board or Public, requests an item to be removed and considered separately)

A. Motion – Approve the Minutes from November 19, 2025, CIWW Board Meeting as published, subject to correction, as recommended by the Board Clerk

B. Motion – Receive and File Final Minutes from November 12, 2025, Technical Committee Meeting

C. Motion – Receive Draft Minutes from December 10, 2025, Technical Committee Meeting

D. Motion – Receive and File Final Minutes from November 13, 2025, Finance and Audit Meeting

E. Motion – Receive and File Final Minutes from November 12, 2025, Executive Committee Meeting

F. Motion – Receive and File November Financial Summary and Approve November Expenditures

G. Motion – Receive and File CIWW November 2025 Revenue and Usage Summary

H. Motion – Receive and File Project Update and Capital Expenditure Reimbursement Report

Item 7: Annual Meeting Items

A. Motion – Approve Central Iowa Water Works 2026 Board of Trustees Meeting Schedule

B. Recognition of the Appointment and Reappointment of Trustees with Terms Ending in 2025

C. Committee Appointments

1. Nominating Committee Report

Item 8: Board Action Items

A. Motion – Award Task Order Number 1 to Black & Veatch for the Grimes Water Supply & Water Treatment Plant Expansion

B. Motion – Award Task Order Number 2025-2 to Advanced Engineering and Environmental Services for Owner's Representative Services for the Grimes Water Supply & Water Treatment Plant Expansion

C. Motion – Approve Reallocation Request within 2026 Capital Improvements Plan for Source Water Protection Improvements to Benefit Purple Martin Lake

D. Motion – Adopt Treasurer Duties Policy and Appoint Amy Kahler, of Des Moines Water Works, to Serve as Treasurer for Central Iowa Water Works

Item 9: Information Items

A. Executive Director Comments
   1. After-Action Review Draft Report
   2. Legislative Update
   3. Shared Drive (SharePoint) Discussion
   4. Preliminary Member Demand Projections & Capacity Requests – Presentation

B. Contract Operator Updates

C. Board Committee Reports
   1. Executive Committee
   2. Technical Committee
   3. Finance and Audit Committee
      a. Treasurer Agreement
      b. Investment Policy Review
   4. Water Usage Best Practices Committee
   5. Long-Range Planning Committee

Item 10: Other Business

Item 11: Closed Session

A. Closed Session – Purpose of the closed session is to discuss the purchase or sale of particular real estate only where premature disclosure could be reasonably expected to increase the price the governmental body would have to pay for the property, as permitted by Iowa Code Section 21.5(1)(j).

Adjournment

Upcoming CIWW Activities			
Meeting	Date	Time	Location
Technical Committee	January 14, 2026	1:00 p.m.	DMWW Board Room
Executive Committee	January 19, 2026	2:30 p.m.	Central Iowa Water Works

Finance & Audit Committee	January 22, 2026	8:00 a.m.	Central Iowa Water Works
Board of Trustees	January 28, 2026	3:00 p.m.	3 Fountains Edgewater Building, Suite 134

CENTRAL IOWA WATER WORKS

BOARD OF TRUSTEES ACTION ITEM FORM

Meeting Date: December 17, 2025

ITEM NUMBER: 5A - C

SUBJECT: Public Hearing, Resolution, & Award of Membrane Filtration (MF), Ultrafiltration (UF), and Reverse Osmosis (RO) Equipment for the Saylorville Water Treatment Plant (SWTP) 10 MGD Expansion

SUMMARY:

Filtration (MF), Ultrafiltration (UF), and Reverse Osmosis (RO) equipment for the Saylorville Water Treatment Plant (SWTP) 10 MGD Expansion as the date of the November 2025 Board meeting. Bids for these major treatment components were received on October 16, 2025. The engineer's estimates were $6,820,000 for Reverse Osmosis (RO), $5,450,000 for Ultrafiltration (UF), and $9,950,000 for Membrane Filtration (MF). Plans, specifications, and contract documents were made available to prospective bidders, and multiple bids were received for each procurement package.

Equipment Type	Bidder	Base Bid	20-Year Present Worth Total
Reverse Osmosis (RO)	**Wigen-Toray**	**$5,157,000**	**$13,232,642**
Reverse Osmosis (RO)	Wigen-Dow	$5,205,000	$13,371,503
Reverse Osmosis (RO)	Wigen-Hydranautics	$5,345,000	$13,680,545
Reverse Osmosis (RO)	Komline-Harn-Toray	$7,940,000	$24,107,788
Reverse Osmosis (RO)	Komline-Harn-Dow	$7,982,000	$25,055,572
Reverse Osmosis (RO)	Komline-Harn-Hydranautics	$8,108,000	$23,454,510
Ultrafiltration / Membrane Filtration	**Wigen-Toray**	**$5,239,000**	**$7,068,931**
Ultrafiltration / Membrane Filtration	Wigen-DuPont	$5,496,000	$11,010,304
Ultrafiltration / Membrane Filtration	Aqua Aerobic	$11,743,353	$18,273,597

Wigen was the lowest responsive bidder for both the UF/MF and the RO systems. Minor omissions in their bid proposals required cost adders, resulting in revised totals of $5,370,580 for the UF system and $5,269,474 for the RO system.

The CIWW Technical Committee and staff would recommend awarding both the UF and RO procurement contracts to Wigen.

FINANCIAL IMPACT:

Funding will be provided through an Iowa State Revolving Fund (SRF) loan.

RECOMMENDED ACTION BY THE BOARD OF TRUSTEES:

Hold the Public Hearing, receive any public comments, and approve the award of the Ultrafiltration (UF) and Reverse Osmosis (RO) equipment for the Saylorville Water Treatment Plant (SWTP) 10 MGD Expansion to Wigen Water Technologies in the amount of $10,640,054, assuming successful negotiation of terms and conditions.

Prepared by: Lindsey Wandersheid

RESOLUTION HOLDING PUBLIC HEARING AND AWARD OF THE PURCHASE OF MEMBRANE FILTRATION (MF)/ULTRAFILTRATION (UF) AND REVERSE OSMOSIS (RO) EQUIPMENT TO WIGEN WATER TECHNOLOGIES FOR THE SAYLORVILLE WATER TREATMENT PLANT (SWTP) 10 MGD EXPANSION

WHEREAS, at the August 2025 CIWW Board meeting, the CIWW Board authorized staff to solicit bids for the procurement of Membrane Filtration (MF)/Ultrafiltration (UF) and Reverse Osmosis (RO) Equipment for the Saylorville Water Treatment Plant (SWTP) 10 MGD Expansion (collectively "Proposed Equipment"); and

WHEREAS, at the October 22, 2025 CIWW Board meeting, the CIWW Board set the date of hearing for procurement of the Proposed Equipment to be held on the November 19, 2025 CIWW Board meeting; and

WHEREAS, at the November 19, 2025 CIWW Board meeting, the CIWW Board continued said hearing until the December 17, 2025 CIWW Board meeting; and

WHEREAS, notice of said hearing was published in accordance with Iowa law; and

WHEREAS, the CIWW Technical Committee and CIWW staff have reviewed the bid proposals submitted for the Proposed Equipment and collectively recommend awarding the purchase of the Proposed Equipment from Wigen Water Technologies in the amount of $10,640,054, subject to negotiation of terms and conditions of a contract satisfactory to CIWW and review by CIWW's legal counsel.

NOW, THEREFORE IT IS HEREBY RESOLVED, by the Board of Trustees of Central Iowa Water Works, that the purchase of the Proposed Equipment from Wigen Water Technologies in the amount of $10,640,054, subject to negotiation of terms and conditions of a contract satisfactory to CIWW and review by CIWW's legal counsel, is hereby approved.

IT IS FURTHER RESOLVED that following the negotiation of terms and conditions satisfactory to CIWW and following review by CIWW's legal counsel, CIWW Director Tami Madsen is hereby authorized to sign said contract.

PASSED AND APPROVED this 17th day of December 2025.

_____

Jody E. Smith, Board Chair

Attest:

_____

Diane Munns, Board Secretary

CENTRAL IOWA WATER WORKS

BOARD OF TRUSTEES ACTION ITEM FORM

Meeting Date: December 17, 2025

ITEM NUMBER: 5D and 5E

SUBJECT: 5D. Public Hearing – Instituting Proceedings to Take Additional Action for the Authorization of a Loan and Disbursement Agreement and the Issuance of Not to Exceed $7,000,000 Water Revenue Capital Loan Notes

5E. Resolution – Instituting Proceedings to Take Additional Action for the Authorization of a Loan and Disbursement Agreement and the Issuance of Not to Exceed $7,000,000 Water Revenue Capital Loan Notes (A weighted vote is required. Such vote requires votes representing a majority of the weighted vote allocation plus votes representing at least three (3) member agencies for the action to be adopted by the board.)

SUMMARY:

The CIWW Board of Trustees is required to have a Public Hearing for the issuance of debt.

This debt will pay costs associated with the Hickman Feeder Main Project.

The 28E/F agreement outlines the requirement for a weighted vote. For all bond related matters, a weighted vote is required.

FINANCIAL IMPACT:

Today's action begins the process to authorize a loan and disbursement agreement at the January 2026 board meeting and has no financial impact associated with this meeting.

RECOMMENDED ACTION BY THE BOARD OF TRUSTEES:

Approve a Resolution Instituting Proceedings to Take Additional Action for the Authorization of a Loan and Disbursement Agreement and the Issuance of Not to Exceed $7,000,000 Water Revenue Capital Loan Notes

Prepared by: Jami Madsen

(This Notice to be posted)

NOTICE AND CALL OF PUBLIC MEETING

Governmental Body: Board of Trustees of Central Iowa Water Works

Date of Meeting: December 17, 2025

Time of Meeting: _____ o'clock _____.M.

Place of Meeting: 3 Fountains Edgewater Building, 4200 University Avenue, Suite 134, West Des Moines, Iowa

PUBLIC NOTICE IS HEREBY GIVEN that the above mentioned governmental body will meet at the date, time and place above set out. The tentative agenda for the meeting is as follows:

Not To Exceed $7,000,000 Water Revenue Capital Loan Notes

- Public hearing on the authorization of a Loan and Disbursement Agreement and the issuance of Notes to evidence the obligation of Central Iowa Water Works thereunder.

- Resolution instituting proceedings to take additional action.

Such additional matters as are set forth on the additional _____ page(s) attached hereto.
(number)

This notice is given at the direction of the Chairperson pursuant to Chapter 21, Code of Iowa, and the local rules of the governmental body.

_____
Secretary of the Board of Trustees
Central Iowa Water Works

December 17, 2025

The Board of Trustees of Central Iowa Water Works met in _____ session, in the 3 Fountains Edgewater Building, 4200 University Avenue, Suite 134, West Des Moines, Iowa, at _____ o'clock _____.M., on the above date. There were present Chairperson _____, in the chair, and the following named Board Members:

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

Absent: _____

* * * * * * *

The Chairperson announced that this was the time and place for the public hearing and meeting on the matter of the authorization of a Loan and Disbursement Agreement by and between Central Iowa Water Works and the Iowa Finance Authority, and the issuance to the Iowa Finance Authority of not to exceed $7,000,000 Water Revenue Capital Loan Notes to evidence the obligations of Central Iowa Water Works under said Loan and Disbursement Agreement, in order to provide funds to pay the costs of acquisition, construction, reconstruction, repair, extension, and improvement of all or part of the Central Iowa Water Works regional water production and supply system, including the Hickman Feeder Main project, including construction of approximately 4,700 feet of 24" transmission main, and that notice of the proposed action by the Board of Trustees to institute proceedings for the authorization of the Loan and Disbursement Agreement and the issuance of the Notes had been published.

The Chairperson then asked the Secretary whether any written objections had been filed by any resident or property owner of the cities and water districts served by Central Iowa Water Works to the proposal. The Secretary of the Board of Trustees advised the Chairperson and the Board of Trustees that _____ written objections had been filed. The Chairperson then called for oral objections to the proposal and _____ were made. Whereupon, the Chairperson declared the time for receiving oral and written objections to be closed.

(Attach here a summary of objections
received or made, if any)

The Board of Trustees then considered the proposed action and the extent of objections thereto.

Whereupon, Board Member _____ introduced and delivered to the Board Secretary the Resolution hereinafter set out entitled "RESOLUTION INSTITUTING PROCEEDINGS TO TAKE ADDITIONAL ACTION FOR THE AUTHORIZATION OF A LOAN AND DISBURSEMENT AGREEMENT AND THE ISSUANCE OF NOT TO EXCEED $7,000,000 WATER REVENUE CAPITAL LOAN NOTES", and moved:

☐ that the Resolution be adopted.

☐ to ADJOURN and defer action on the Resolution and the proposal to institute proceedings to the meeting to be held at _____ o'clock _____.M. on the _____ day of _____, 20___, at this place.

Board Member _____ seconded the motion. The roll was called and the vote was:

MEMBER	WEIGHTED VOTE ALLOCATION	AYE	NAY	ABSENT	ABSTAIN
Ankeny	11.649%				
Clive	3.432%				
DMWW	41.671%				
Johnston	4.032%				
Grimes	3.017%				
Norwalk	2.065%				
Polk City	0.974%				
UWU	8.439%				
Warren Water District	3.087%				
Waukee	4.213%				
WDMWW	13.861%				
Xenia	3.560%				
TOTAL	100.000%				

Total Weighted Vote Allocation Voting: _____%

Weighted Vote Result: AYES _____%

NAYS _____%

Whereupon, the Chairperson declared the measure duly adopted.

RESOLUTION INSTITUTING PROCEEDINGS TO TAKE ADDITIONAL ACTION FOR THE AUTHORIZATION OF A LOAN AND DISBURSEMENT AGREEMENT AND THE ISSUANCE OF NOT TO EXCEED $7,000,000 WATER REVENUE CAPITAL LOAN NOTES

WHEREAS, pursuant to notice published as required by law, this Board has held a public meeting and hearing upon the proposal to institute proceedings for the authorization of a Loan and Disbursement Agreement by and between Central Iowa Water Works and the Iowa Finance Authority, and the issuance to the Iowa Finance Authority of not to exceed $7,000,000 Water Revenue Capital Loan Notes to evidence the obligations of Central Iowa Water Works under said Loan and Disbursement Agreement to provide funds to pay the costs of acquisition, construction, reconstruction, repair, extension, and improvement of all or part of the Central Iowa Water Works regional water production and supply system, including the Hickman Feeder Main project, including construction of approximately 4,700 feet of 24" transmission main, and has considered the extent of objections received from any residents or property owners as to said proposal and, accordingly, the following action is now considered to be in the best interests of Central Iowa Water Works and its members:

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF CENTRAL IOWA WATER WORKS:

Section 1. That this Board does hereby institute proceedings and takes additional action for the authorization of a Loan and Disbursement Agreement by and between Central Iowa Water Works and the Iowa Finance Authority, and the issuance to the Iowa Finance Authority in the manner required by law of not to exceed $7,000,000 Water Revenue Capital Loan Notes for the foregoing purpose.

Section 2. That this Board does hereby consent to the terms and conditions of the DWSRF Loan Program, which terms and conditions and the disclosures provided with respect thereto are hereby acknowledged, accepted and approved.

Section 3. That the Secretary, with the assistance of bond counsel, is hereby authorized and directed to proceed with the preparation of such documents and proceedings as shall be necessary to authorize Central Iowa Water Works' participation in the DWSRF Loan Program, to select a suitable date for final Board authorization of the required Loan and Disbursement Agreement and issuance of Notes to evidence Central Iowa Water Works' obligations

thereunder, and to take such other actions as the Secretary shall deem necessary to permit the completion of a loan on a basis favorable to Central Iowa Water Works and acceptable to this Board.

Section 4. This Resolution shall serve as a declaration of official intent under Treasury Regulation 1.150-2 and shall be maintained on file as a public record of such intent. It is reasonably expected that the general/operating fund moneys may be advanced from time to time for capital expenditures which are to be paid from the proceeds of the above loan agreement. The amounts so advanced shall be reimbursed from the proceeds of the Loan Agreement not later than eighteen months after the initial payment of the capital expenditures or eighteen months after the property is placed in service. Such advancements shall not exceed the loan amount authorized in this Resolution unless the same are for preliminary expenditures or unless another declaration of intention is adopted.

PASSED AND APPROVED this _____ day of _____, 2025.

_____
Chairperson of the Board of Trustees

ATTEST:

_____
Secretary of the Board of Trustees

CERTIFICATE

STATE OF IOWA)
) SS
COUNTY OF POLK)

I, the undersigned Secretary of the Board of Trustees of Central Iowa Water Works, do hereby certify that attached is a true and complete copy of the portion of the records of Central Iowa Water Works showing proceedings of the Board, and the same is a true and complete copy of the action taken by the Board with respect to the matter at the meeting held on the date indicated in the attachment, which proceedings remain in full force and effect, and have not been amended or rescinded in any way; that meeting and all action thereat was duly and publicly held in accordance with a notice of meeting and tentative agenda, a copy of which was timely served on each member of the Board and posted on a bulletin board or other prominent place easily accessible to the public and clearly designated for that purpose at the principal office of the Board pursuant to the local rules of the Board and the provisions of Chapter 21, Code of Iowa, upon reasonable advance notice to the public and media at least twenty-four hours prior to the commencement of the meeting as required by law and with members of the public present in attendance; I further certify that the individuals named therein were on the date thereof duly and lawfully possessed of their respective Central Iowa Water Works offices as indicated therein, that no Board vacancy existed except as may be stated in the proceedings, and that no controversy or litigation is pending, prayed or threatened involving the incorporation, organization, existence or boundaries of Central Iowa Water Works or the right of the individuals named therein as officers to their respective positions.

WITNESS my hand and the seal of the Board hereto affixed this _____ day of _____, 2025.

_____
Secretary of the Board of Trustees
Central Iowa Water Works

(SEAL)

CENTRAL IOWA WATER WORKS

BOARD OF TRUSTEES ACTION ITEM FORM

Meeting Date: December 17, 2025

ITEM NUMBER: 6A - E

SUBJECT: Items 6A – E

A. Motion – Approve the Minutes from November 19, 2025, CIWW Board Meeting as published, subject to correction, as recommended by the Board Clerk

B. Motion – Receive and File Final Minutes from November 12, 2025, Technical Committee Meeting

C. Motion – Receive Draft Minutes from December 10, 2025, Technical Committee Meeting

D. Motion – Receive and File Final Minutes from November 13, 2025, Finance and Audit Meeting

E. Motion – Receive and File Final Minutes from November 12, 2025, Executive Committee Meeting

SUMMARY:

The action will approve or receive and file the minutes from the previous board and committee meetings.

Draft minutes from December 10, 2025, Technical Committee Meeting were not available at the time of the packet publication. They will be made available when finalized.

FINANCIAL IMPACT:

None.

RECOMMENDED ACTION BY THE BOARD OF TRUSTEES:

Motion to approve the consent agenda including items A through E.

Prepared by: Tami Madsen

CENTRAL IOWA WATER WORKS

4601 Westown Pkwy, Suite 122
West Des Moines, IA 50266
email: info@ciww.gov

Minutes

Board of Trustees
Central Iowa Water Works
November 19, 2025
3 Fountains Edgewater Building
4200 University Avenue, Suite 134
West Des Moines, IA 50266
3:00 p.m.

Item 1: Chair Jody Smith called the meeting to order at 3:00 p.m.

Item 2: Roll Call

Trustees in Attendance
Mike Schrock, Ankeny
John Edwards, Clive
Diane Munns, Des Moines Water Works*
Susan Huppert, Des Moines Water Works
Tom Cope, Johnston
Jake Anderson, Grimes
George Meinecke, Norwalk
Chelsea Huisman, Polk City
John McCune, Urbandale Water Utility*
Carol Butler Freeman, Warren Water District
Courtney Clarke, Waukee*
Jody Smith, West Des Moines Water Works
Dan Lovett, Xenia

Others in Attendance
Tami Madsen, Central Iowa Water Works
Dustin Delvaux, Central Iowa Water Works
Royce Hammitt, Xenia
Matt Stoffel, PFM
Kyle Danley, Des Moines Water Works
Neal Westin, Nyemaster Goode, P.C.
Christina Murphy, West Des Moines Water Works

Matthew Jacob, Urbandale Water Utility*
Lyle Hammes, West Des Moines Water Works
Neil Weiss, Urbandale Water Utility
Scott Brennan, West Des Moines Water Works
Pete De Kock, Clive
Jamie Buelt, En Q Strategies
Lindsey Wanderscheid, Des Moines Water Works*
Ted Corrigan, Des Moines Water Works
Melissa Walker, Des Moines Water Works
Amy Kahler, Des Moines Water Works
Bob Andeweg, Nyemaster Goode, P.C.

*Attended remotely

Item 3: Approving Agenda, as presented or amended.

John Edwards moved to approve the agenda as presented; seconded by Tom Cope. The motion was adopted by unanimous voice vote.

Item 4: Public Comment (Please state name, address, and limit comments to five minutes)

There were no public comments.

Item 5: Public Hearings and Related Resolutions

A. Public Hearing – Disposal of an Interest in Real Property to Verizon for the Cell Tower 98th Street Lease Agreement

   There were no comments from the public. Chair Smith closed the public hearing.

B. Chelsea Huisman moved to approve a resolution – Holding Public Hearing of the Central Iowa Water Works Board of Trustees to Consider Grant of a Disposal of an Interest in Real Property to Verizon for the Cell Tower 98th Street Lease Agreement, West Des Moines, Iowa; seconded by John Edwards. The resolution was adopted by unanimous voice vote.

C. Public Hearing – Central Iowa Water Works 2026 Budget

   There were no comments from the public. Chair Smith closed the public hearing.

D. John Edwards moved to approve a resolution – Approving Central Iowa Water Works Budget for the 2026 Calendar Year; seconded by Mike Schrock. The resolution was adopted by unanimous roll call vote.

E. John Edwards moved to Continue Hearing on Procurement of Membrane Filtration (MF), Ultrafiltration (UF), and Reverse Osmosis (RO) Equipment for the Saylorville Water Treatment Plant (SWTP) 10 MGD Expansion; seconded by Chelsea Huisman. The motion was approved by unanimous voice vote.

F. George Meinecke moved to approve a resolution – Fixing Date for a Meeting on the Authorization of a Loan and Disbursement Agreement and the Issuance of not to Exceed $7,000,000 Water Revenue Capital Loan Notes of Central Iowa Water Works, and Providing for Publication of Notice Thereof; seconded by John Edwards.

   With the CIWW 28E/28F requiring a weighted vote on this matter, a weighted vote was taken with all 12 Member Agencies in Attendance: 12 voting Aye and 0 voting Nay.

G. Mike Schrock moved to approve a resolution – Engaging Ahlers & Cooney, P.C. as Bond Counsel; seconded by Chelsea Huisman. The resolution was adopted by unanimous voice vote.

Item 6: Consent Agenda (Note: These are routine items and will be enacted with one vote without separate discussion unless someone, Board or Public, requests an item to be removed and considered separately)

John Edwards moved to approve the consent agenda; seconded by Tom Cope. The motion to approve all such consent agenda items was adopted by unanimous voice vote.

A. Motion – Approve the Minutes from October 22, 2025, CIWW Board Meeting as published, subject to correction, as recommended by the Board Clerk
B. Motion – Approve the Minutes from September 12 ,2025, CIWW Board Meeting as published, subject to correction, as recommended by the Board Clerk
C. Motion – Receive and File Final Minutes from October 6, 2025, Technical Committee Meeting
D. Motion – Receive Draft Minutes from November 12, 2025, Technical Committee Meeting
E. Motion – Receive and File Final Minutes from October 16, Finance and Audit Meeting
F. Motion – Receive and File Final Minutes from October 13, Executive Committee Meeting
G. Motion – Receive and File Final Minutes from October 15, Executive Committee Meeting
H. Motion – Receive and File Final Minutes from October 6, 2025, Long-Range Planning Committee Meeting
I. Motion – Receive Draft Minutes from November 12, 2025, Long-Range Planning Committee Meeting
J. Motion – Receive and File October Financial Summary and Approve October Expenditures
K. Motion – Receive and File CIWW October 2025 Revenue and Usage Summary
L. Motion – Receive and File Project Update and Capital Expenditure Reimbursement Report

Item 7: Board Action Items

A. Susan Huppert moved to adopt the Initial Central Iowa Water Works Long-Range Plan; seconded by John McCune. The motion was adopted by unanimous voice vote.
B. Tom Cope moved to adopt the Central Iowa Water Works 2026 Policy Priorities; seconded by John McCune. The motion was adopted by unanimous voice vote.
C. Mike Schrock moved to approve a Tower Lease with Option Agreement between Central Iowa Water Works, the Board of Trustees of the West Des Moines Water Works, and Cellco Partnership d/b/a Verizon Wireless; seconded by Chelsea Huisman. The motion was adopted by unanimous voice vote.

Item 8: Information Items

A. Executive Director Comments

1. Executive Director Second-Year Goals

   Tami Madsen presented her second-year performance goals, which included her own proposed objectives along with additions from the Executive Committee and board.

2. After-Action Review Initial Outcomes Update

   Tami Madsen provided a brief update on the After-Action Review, with additional details included in the board packet. She noted that she had presented the document in greater detail to the CIWW Technical Committee and invited its members to form a small group to review the findings and develop recommendations.

3. Hickman Feeder Main Total Estimate Cost and BQ Allocation

   Tami Madsen provided an update on the Hickman Feeder Main's total estimated cost and the bank qualification allocation. She noted that a discussion will be needed with the member agencies to determine which entities will cash fund versus debt fund their portions. Matt Stoffel has already initiated these conversations with individual agencies. The CIWW Finance and Audit Committee has also begun discussing the timing of required cash payments and potential policies to guide cash contributions.

B. Contract Operator Updates

Amy Kahler provided an update on Des Moines Water Works (DMWW) operations. She reported the McMullen ASR well failed in September due to water entering the electrical wiring, causing a short. It was determined that the pump needs to be rebuilt, the electrical cables replaced, and a new motor installed, with an estimated cost of $450,000. The repair will proceed under emergency authorization, as the ASR well is a critical piece of infrastructure.

Amy also informed the board of a failure on the river intake screen at the Fleur Drive Water Treatment Plant, which was repaired to a functional level.

She highlighted DMWW's Trust in Tap Initiative, noting collaboration with researchers at the University of Iowa to understand factors influencing customer confidence in tap water. Ted Corrigan and Melissa Walker coauthored an article with University of Iowa researchers, which was published in the AWWA Journal **(**In Tap We (Dis)Trust: Why

Customers Choose Bottled Water). Amy further advised that Grant Selby from the City of Johnston and Melissa Walker of DMWW recently graduated from the AWWA Leadership Institute.

Christina Murphy provided an update that high service pump 3, at the A.C. Ward Water Treatment Plant in West Des Moines, has returned to service. She also noted test wells for the alluvial well project are scheduled for next week, and source water investigations at the West plant are underway this week and next.

No updates from Polk City or Grimes.

C. Board Committee Reports

1. Executive Committee

   Jody Smith provided a summary of the Executive Committee's discussion with Tami Madsen in her one-year employment review. Due to the positive outcomes of the discussion the Executive Committee brought a recommendation approving a new employment agreement.

   John Edwards moved to approve a resolution Approving Employment Agreement with Tami Madsen as Executive Director of CIWW; seconded by Tom Cope. The resolution was adopted by unanimous voice vote.

2. Technical Committee

   Kyle Danley provided a report highlighting key discussions and outcomes from the Technical Committee meeting.

3. Finance and Audit Committee

   Scott Brennan provided a report highlighting key discussions and outcomes from the Finance and Audit Committee meeting.

4. Water Usage Best Practices Committee

   The Water Usage Best Practice Committee did not have an update.

5. Long-Range Planning Committee

   Lyle Hammes provided a brief report highlighting the Long-Range Plan that was discussed at the committee's meeting.

Item 9: Other Business

Tami Madsen summarized the Legislative Tour of the Fleur Drive Water Treatment Plant on November 18 (at 10 a.m.) and thanked Christina Murphy, Amy Kahler, and Neil Weiss for their participation.

Item 10: Closed Session

John Edwards moved to enter Closed Session – Purpose of the closed session is to discuss the purchase or sale of particular real estate only where premature disclosure could be reasonably expected to increase the price the governmental body would have to pay for the

property, as permitted by Iowa Code Section 21.5(1)(j); seconded by John McCune. Approved by unanimous roll call vote.

The Trustees entered closed session at 3:53 p.m.

By unanimous roll call vote the Trustees exited the closed session at 4:16 p.m.

Chair Smith stated no action was taken during the closed session.

Adjournment

Chair Smith adjourned the meeting at 4:17 p.m.

Upcoming CIWW Activities			
Meeting	Date	Time	Location
Executive Committee	December 8, 2025	2:30 p.m.	Central Iowa Water Works
Technical Committee	December 10, 2025	1:00 p.m.	DMWW Board Room
Finance & Audit Committee	December 11, 2025	8:00 a.m.	Central Iowa Water Works
Board of Trustees	December 17, 2025	3:00 p.m.	3 Fountains Edgewater Building, Suite 134

CENTRAL IOWA WATER WORKS

Address:
4601 Westown Pkwy, Ste 122
West Des Moines, IA 50266
email: info@ciww.gov

Minutes

Technical Committee
Central Iowa Water Works
November 12, 2025
Des Moines Water Works Board Room
2201 George Flagg Parkway
Des Moines, Iowa
1:00 p.m.

ITEM 1: Call to Order

Chair Kyle Danley called the meeting to order at 1:01p.m.

ITEM 2: Introductions

Present: Don Clarke (Ankeny), Jeff May (Clive), Kyle Danley (DMWW), Matt Greiner (Johnston), Randy Franzen (Polk City), Neil Weiss (UWU), Andy Fish (WWD), Rudy Koester (Waukee), Christina Murphy (WDMWW), Royce Hammitt (Xenia), Shawn Buckner (Ankeny), Lindsey Wanderscheid (DMWW), Matthew Jacob (UWU), Matt Van Wyk (WWD), Lyle Hammes (WDMWW), Tami Madsen (CIWW), Amy Kahler (DMWW), Daria Dilparic (WDMWW), Dustin Delvaux (CIWW), Darrin Hager (HNTB)

ITEM 3: Approve Minutes for October 6, 2025 – Approval

The committee approved minutes for October 6, 2025, Technical Committee meeting by unanimous voice vote.

ITEM 4: Water Allocation – Update

Tami Madsen informed the committee that all water allocation spreadsheets have been received. She noted that the water allocation group will need to meet again for further discussion. The 2030 projections meet the 15MGD capacity of the West Plant and Grimes Expansion. Key changes between the initial and updated spreadsheets include: population projections reduced by about 20k people; peak day demands down 10%; future ASR availability was projected with this iteration; industrial reserve was only up slightly. She also noted that several member agencies based their projections on the assumption that the next Saylorville expansion would be completed by 2040.

Shawn Buckner informed the committee that Ankeny ASR #1 may no longer be available. It was

originally constructed in the 1960s, updated in the 1990s, but ceased functioning in the past month. The ASR needs to be looked at and assessed for financial viability as to how Ankeny will proceed.

ITEM 5: Shared Drive Implementation – Update

Tami Madsen informed the committee that CIWW is in the process of developing shared drives for each committee. The objective is to have the Technical Committee's shared drive fully operational by the December meeting.

ITEM 6: After-Action Review – Update

Tami Madsen provided a recap and update on the After-Action Review. A draft report will be distributed to the committee, and a meeting will be scheduled to review the findings and develop recommendations. The goal is to present the draft report to the Technical Committee at its December meeting, followed by submission to the Board of Trustees at their December meeting.

ITEM 7: West Plant – Update

Christina Murphy informed the committee that the CIWW Board of Trustees approved the geoprobe contract at the October board meeting, with a not-to-exceed amount. The contract has been received, and staff are currently working with landowners to obtain permission to conduct geoprobing on their properties. Consultants have recommended proceeding with sites where CIWW already has access, and field work is scheduled to begin next week.

Christina also provided an update on recent meetings related to the West Plant. During the most recent meeting, three potential sites were discussed, and two additional locations were identified as suitable for the proposed facility. She noted that the process remains in the early stages, and additional information will be shared with the Technical Committee as it becomes available.

Additionally, Christina plans to schedule a lunch-and-learn session with several membrane vendors and is organizing visits to various water treatment plants that utilize membrane technology.

Christina Murphy informed the committee that Strand's current scope of work focuses on wells, source water, and treatment. She noted that additional discussions will be needed regarding the transmission main and its connection to the core network. At some point, hydraulic modeling may also be required. The Technical Committee will need to determine how best to proceed and define the next steps for this effort.

ITEM 8: Grimes Plant Expansion – Update

Tami Madsen informed the committee that she has met with Black & Veatch several times to discuss the project scope. A preliminary scope has been distributed to the technical team for review, with the goal of finalizing both the scope and fee in November. A recommendation is

expected to be presented at the December Technical Committee meeting, with Board consideration and action to follow later that month.

ITEM 9: Saylorville Plant – Update
a. RO/UF Procurement – Recommendation

Lindsey Wanderscheid reported that approval has been received from the U.S. Army Corps of Engineers for access to the land where borings are planned. However, Traut staff will not be available to begin work until the first week of December.

She also informed the committee that bids have been received for the RO procurement, with Harn and Wigen each submitting proposals for all three membranes, ranging from $5.2 million to $8.1 million. A recommendation will be presented at the December Technical Committee meeting. For the MF/UF procurement, bids were received from Aqua and Wigen, ranging from $5.2 million to $11.7 million. The wide range in bid amounts reflects differences in the proposed technologies, which are still being evaluated. A recommendation for this will also be presented at the December Technical Committee meeting.

Finally, Lindsey provided an update on the Saylorville Water Treatment Plant project, noting that the total estimated cost is approximately $152 million. This number is +50% and -30% so will be refined once some of the parts of the project are bid.

ITEM 10: Grimes Projects – Discussion

Tami Madsen informed the committee that Grimes has completed its roof replacement project. During the replacement, areas requiring tuckpointing were identified and repaired. She noted that Grimes remains under budget for joint capital in 2025 and has completed its anticipated projects for the year.

ITEM 11: Polk City Projects – Discussion

Randy Franzen informed the committee that Polk City's raw water sources contain high levels of iron, requiring periodic pigging of the line. During this process, a potential issue was identified with Well Four, and bids are being solicited to inspect both Wells Four and Five.

ITEM 12: West Des Moines Water Works Projects – Discussion

Lyle Hammes updated the committee on the following projects:

- High service pump 3 replacement: The manufacturer will conduct training for WDMWW staff next week, with project closeout expected in December.
- Alluvial wells: WDMWW plans to move to a new location for test drilling, with three, possibly four, wells planned. Test drilling is scheduled for later in November.
- AC Ward Facility Repairs: The kickoff meeting was held on October 31, with a target date of the end of April 2026 for final bid documents to be completed.

Daria Dilparic provided the committee with an update on the Source Water Protection Plan. Tetra Tech conducted an on-site field survey on October 29 and anticipates having a draft plan ready within the next few weeks.

ITEM 13: Des Moines Water Works Projects – Discussion

Lindsey Wanderscheid updated the committee on the following projects:

- FWTP Chemical Building elevators: Modernization is underway for a 1948 elevator primarily used to transport materials between floors. An external assessment recommended a complete replacement. Bids are planned to be solicited this month, with an award anticipated in January 2026.
- MWTP Exterior Paint Improvements: Included in the 2025 budget, bids are planned for solicitation in November, with award expected in January 2026.
- Downtown Fiber routing to armory: With the City of Des Moines moving out of the Armory, DMWW must install and route new fiber to maintain communication between SWTP, PCPS, and DMWW. A proposal for design services has been received from HDR and will be working on finalizing an agreement.
- FWTP Filter Media Rehabilitation: Preliminary engineering has divided the project into four phases. Work will begin with the Backwash Tank, as it is currently undersized. Will be working on getting an agreement in place with CDM Smith.
- Nitrate Removal Facility Expansion: Two proposals were received, and CDM Smith was selected to assess current equipment and evaluate up to three alternatives for expansion.
- SWTP West Feeder Main Phase 3: The project has been placed into service, with plans to formally accept it at the November 2025 board meeting.

ITEM 14: Pumpage and Revenue Summary – Information

The pumpage and revenue summary were reviewed by the committee.

ITEM 15: Operations Update – Information

- Polk City

No update

- Grimes

No update

- West Des Moines Water Works

Lyle Hammes informed the committee that the AC Ward plant is implementing the following updates: adding sensors to the lime and soda ash bins, shutting down four filters for the winter, the sludge thickener remains out of service, and different types of raw water meters are being considered.

- Des Moines Water Works

Kyle Danley informed the committee that the McMullen Water Treatment Plant was temporarily shut down to install a 2” tap for the carbon feed system and repair raw water mixer. The ASR

Well repair is underway, with injection tubes reinstalled and the motor is being evaluated for repair. A cost analysis is being conducted to determine whether repair or replacement is more economical. Lime removal from the lagoons is also in progress.

Kyle Danley advised the committee that staff replaced RO membranes on one of the skids with a new manufacture that was recently piloted for the expansion project and approved by the DNR. This is the first time using these membranes in the full-scale RO and will provide an opportunity to compare the performance to the previous membranes.

Kyle Danley informed the committee that the final work is being completed on a new high lift VFD project at the Fleur Water Treatment Plant.

ITEM 16: Other Business

No other business

ITEM 17: Adjourn

Chair Danley adjourned the meeting at 2:08p.m.

CENTRAL IOWA WATER WORKS

Address:
4601 Westown Pkwy, Ste 122
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email: info@ciww.gov

Minutes

Technical Committee
Central Iowa Water Works
December 10, 2025
Des Moines Water Works Board Room
2201 George Flagg Parkway
Des Moines, Iowa
1:00 p.m.

ITEM 1: Call to Order

Chair Kyle Danley called the meeting to order at 1:02 p.m.

ITEM 2: Introductions

Present: Don Clark (Ankeny), Jeff May (Clive), Kyle Danley (DMWW), Matt Greiner (Johnston), Wayne Schwartz (Norwalk), Randy Franzen (Polk City), Neil Weiss (UWU), Andy Fish (WWD), Rudy Koester (Waukee), Christina Murphy (WDMWW), Royce Hammit (Xenia), Shawn Buckner (Ankeny), Lindsey Wanderscheid (DMWW), Matthew Jacob (UWU), Lyle Hammes (WDMWW), Amy Kahler (DMWW), David Guthrie (Grimes), Aaron Jarosh (Grimes), Daria Dilparic (WDMWW), Melissa Walker (DMWW), Tami Madsen (CIWW), Dustin Delvaux (CIWW), Shawn Gaddie* (AE2S), Jim Winger* (Black & Veatch), Dustin Schultze* (AE2S), Heath Pickens* (HR Green), Rick Baldon*

*Attended Remotely

ITEM 3: Approve Minutes for November 12, 2025 – Approval

The committee approved minutes for November 12, 2025, Technical Committee meeting by unanimous voice vote.

ITEM 4: Water Allocation – Update

Tami Madsen updated the committee that CIWW is still in the process of finalizing water allocations and will need to request additional information to resolve inconsistencies in the previously submitted data.

Shawn Gaddie of AE2S provided a high level, draft presentation comparing the data gathered in 2025 from the two recent capacity request forms submitted with projected numbers from 2024.

Service population projections and per capita water demand projects remained fairly consistent while demand peaking factor projects and peak day demand projects varied.

The presentation also covered the future capacity demands provided by the forms compared to the upcoming increase in water production from upcoming expansions. CIWW is overallocated on both the low estimated and high estimated numbers. Since there are still inconsistencies in the reported data, these numbers are not complete and will need to be updated again.

Tami Madsen advised the committee that these demand projections do not include cost which could influence the amount requested by member agencies.

Some member agencies submitted requests with future ASR capacity included. The committee discussed the ASR capacity rules in the 28E agreement. Shawn Buckner announced to the committee that Ankeny ASR #1 is out of service indefinitely.

Tami Madsen suggested establishing a written policy on required buffer capacity allocations for members. The committee concurred that developing such a policy for review by the Technical Committee, followed by submission for Board approval, would be beneficial.

ITEM 5: Shared Drive Implementation – Update

Tami Madsen gave a brief overview of the Technical Committee's SharePoint site. Dustin Delvaux will distribute access invitations following the meeting.

ITEM 6: After-Action Review – Update

The draft After-Action Review (AAR) report was included in the Technical Committee packet for review. Tami Madsen also provided the committee with a printed list of recommendations from the report, noting that the list is still being updated as she continues to receive input.

ITEM 7: Schedules I2A/I2B: Max Day and Excess Consumption Reconciliation – Recommendation

The Grimes Water Treatment Plant switched from chloramines to free chlorine to align with CIWW's core network finished water quality standards. On the day of the changeover, the Grimes distribution system conducted a flush to complete the process. They recorded 3,348,000 gallons, which would be their maximum day for 2025, compared to their normal max day of 2,765,000 gallons. Grimes made a request that the flush day be excluded from the max day calculation, as it was required for the operational change to meet CIWW's finished water standards.

Don Clark made the motion to approve the recommendation; seconded by Neil Weiss.

After further conversation by the committee, Don Clark amended his motion to set Grimes' 2025 max day amount at 2,765,000 gallons; seconded by Neil Weiss. The recommendation was approved by unanimous voice vote.

ITEM 8: Purple Martin Lake Source Water Protection – Recommendation

Tami Madsen informed the committee of a warehouse construction close to Purple Martin Lake, which is a planned future water source. There is no water use permit for Purple Martin Lake at this

time. Christina Murphy has been working with Dan Carlson, the developer, in the interest of protecting the source water.

Christina Murphy provided additional details. One warehouse has already been constructed adjacent to the property in question, and the developer plans to build a second, though the tenant is currently unknown. Certain potential uses for the warehouse were identified as concerns under the Source Water Protection Act. The developer seeks flexibility in leasing the warehouse, and the property has already been zoned in their favor. WDMWW has proposed that the developer install a flow control device on the storm water ponds outlet that drains toward Purple Martin Lake to prevent contamination runoff in the event of a fire at the warehouses. While the developer agrees with these measures, they do not want to bear the associated costs. The recommendation is for CIWW to proceed with the stormwater improvements and reallocate up to $200,000 from another project to fund this work, contingent on the developer agreeing to the WDMWW-proposed negative easement.

Neil Weiss motion to approve the recommendation; Andy Fish second. The recommendation was approved by unanimous voice vote.

ITEM 9: West Plant – Update

Christina Murphy met this morning with the source water exploration team, who reported positive results from all sites, including the primary wellfield. They expressed interest in conducting additional drilling at the site to the north, with a preliminary assessment indicating potential production of 15 MGD.

Lyle Hammes noted that a discussion on the preliminary design for pumping and distribution piping will need to take place in the near future.

ITEM 10: Grimes Plant Expansion – Update
- Scope and Design Fee – Recommendation

Tami Madsen provided the estimated costs of the expansion from the HDR report. She advised the committee that the dollar amounts were in 2024 dollars and that she used the ENR Building Cost Index to gauge the potential increase which would be approximately 2.3% higher. There was also some ambiguity on whether total project costs included specific evaluations to be performed in Task Order No. 1.

Tami Madsen brought two task orders for the committee's approval: Task Order No. 1 for Black & Veatch for evaluations and preliminary engineering report in the amount of $579,810; and Task Order No. 2025-2 for AE2S in the amount of $146,400 for various services. Black & Veatch is about 1.45% of the estimated total cost with AE2S being about 0.37% of the estimated total cost. She recommended approval of the task orders to bring to the CIWW Board of Trustees.

Christina Murphy moved to approve both Task Order No. 1 for Black & Veatch and Task Order No. 2025-2 for AE2S; Rudy Koester seconded. The recommendation was approved by unanimous voice vote.

ITEM 11: Saylorville Plant – Update
- RO/UF Procurement – Recommendation

Lindsey Wanderscheid informed the committee that USACE has granted access to their land, and Traut has begun soil borings and test pumping.

She then presented the results of the RO procurement. After reviewing bids and evaluations, DMWW met with Wigen, the lowest bidder, and recommends awarding the RO contract to Wigen for a total cost of $5,269,474.

Don Clark moved to approve the recommendation, and Jeff May seconded. The motion was approved by unanimous voice vote.

Lindsey Wanderscheid also presented the results of the MF/UF procurement. DMWW recommends awarding the MF/UF contract to Wigen for $5,370,580.

Christina Murphy moved to approve the recommendation, seconded by Jeff May. The motion was approved by unanimous vote.

ITEM 12: Projects Updates – Discussion

- WDMWW Update

Lyle Hammes provided an update on the High Service Pump #3 replacement. The pump is operational, but the team is addressing a vibration issue. The project is nearly complete, with only a few minor items remaining. He also reported on the A.C. Ward Facility repairs, noting that WDMWW received initial construction estimates of $2.8 million—slightly above the planned budget—but there is still an opportunity to refine or remove certain items.

Daria Dilparic updated the committee on the Alluvial Wells project. Three of the five drillings have been completed. The wells on city of DM property did not yield positive results; test hole 3 was converted to a monitoring well but produced only 8 gallons. She also provided an update on the Source Water Protection Plan, noting that a draft is expected soon and will be shared with the team for review. She anticipates the plan will be finalized within the next month or two.

- DMWW Update

Lindsey Wanderscheid provided updates on several projects. She reported that the safety showers and tempering project is estimated at $410,000, to be funded using the budget carried over from 2025. She also briefed the committee on the 2026 Tuttle Street Feeder Main Joint Seal project, which is scheduled for award in January 2026.

For the Des Moines River Intake Improvements project, the sluice gates require repairs. A change order has been submitted to repair the bottom concrete sealing surface.

Finally, Lindsey updated the committee on the 2026 FWTP Control Room Upgrade, which involves modernizing the facility. This project was originally budgeted for 2025, and the funding will be carried over to 2026.

ITEM 13: Operations Updates – Information

- WDMWW

Lyle Hammes informed the committee that the new lime and soda ash bin sensors are now in place, the sludge thickener is operational again, and the pressate tank is being cleaned. He also noted that a PRV repair is underway at the high service pump station and that the bulk water station has been shut down for the winter.

- DMWW

Kyle Danley provided updates on several maintenance and inspection activities, including the FWTP West Low Lift suction well cleaning, FWTP transformer maintenance and inspection, Des Moines River intake repairs, the discovery of zebra mussels in the Des Moines River, and SWTP pretreatment cleaning and inspection.

ITEM 14: Pumpage and Revenue Summary – Information

The committee was provided with the updated pumpage and revenue summary.

ITEM 15: Other Business

Kyle Danley stated the nitrates in the Raccoon River reached above 11.06 mg/L requiring DMWW to switch to the Des Moines River as the water source. Running the nitrate facility during the winter months is not unprecedented; it has occurred before and could happen again this winter.

- Meeting Materials Distribution – Discussion

The committee was asked how they would prefer to receive information prior to future meetings. They agreed that memos summarizing all action items on the CIWW Technical Committee agenda, along with more detailed supporting information, would be helpful. They also requested that CIWW continue distributing the presentation slides after each meeting.

Tami Madsen presented the schedule of next year's Technical Committee meeting dates and advised that the committee will need to reelect officers in January.

ITEM 16: Adjourn

Chair Danley adjourned the meeting at 3:16 p.m.

CENTRAL IOWA WATER WORKS

Address:
4601 Westown Pkwy, Suite 122
West Des Moines, IA 50266
email: info@ciww.gov

Minutes

Finance and Audit Committee
Central Iowa Water Works
November 13, 2025
Central Iowa Water Works
4601 Westown Parkway, Suite 122
West Des Moines, IA
8:00 a.m.

Item 1: Call to Order

Chair Scott Brennan called the meeting to order at 8:00 a.m.

Item 2: Roll Call

Susan Huppert, John McCune, Scott Brennan, George Meinecke, Carol Butler Freeman, Tom Cope*

Tami Madsen, Dustin Delvaux, Matt Stoffel, Amy Kahler, Christina Murphy*

*Attended Virtually

Item 3: Approve Minutes for October 16, 2025 – Approval

John McCune moved to approve the minutes for the October 16, 2025, Finance and Audit Meeting; seconded by George Meinecke. The minutes were approved by voice vote.

Item 4: Hickman Feeder Main Total Estimated Cost & BQ Allocation

Matt Stoffel advised the committee that when CIWW acquires tax exempt debt, the member agencies are assigned a portion of the debt for bank qualification (BQ) purposes. If a member agency pays cash in lieu of financing, BQ does not apply.

Mr. Stoffel also informed the committee that the Hickman Feeder Main loan is CIWW's first construction loan and emphasized the need for a policy regarding cash payments from member agencies. He recommended that agencies opting to pay in cash remit their funds to CIWW, with any interest earned allocated to their respective share of the expansion.

The committee agreed to continue discussions on cash funding at a future meeting.

Item 5: Ten-Year Proforma Discussion

Matt Stoffel stated that the ten-year proforma is a key tool provided by PFM for CIWW and its member communities to understand rate pressures. The proforma models utility cash flows using three years of historical data, the current budget, the proposed budget, and five- to ten-year projections. He noted that while operating costs are expected to remain relatively stable, expansion costs will vary, and the proforma includes a planned ramp-up in the first three years before leveling off. CIWW must have confidence in the 2027 projections, as communities with fiscal-year budgets will use them to inform rate-setting decisions.

Mr. Stoffel also highlighted considerations regarding capital costs, such as whether rates should be adjusted in years with lower capital expenditures or kept consistent with excess funds allocated to future projects or emergencies.

He advised that he can send an email to the communities regarding the Hickman Feeder Main BQ Allocations to ensure awareness. The ten-year proforma is expected to be presented at the December meeting, following finalization of the budget.

Amy Kahler suggested bringing the proforma up again after the CIP is set early in the year.

Item 6: Private Use Analysis Letters and Worksheet

Tami Madsen advised that Private Use Analysis letters and worksheets were sent to the member agencies for review and completion.

Item 7: Annual Budget Certificate

Tami Madsen reported that Annual Budget Certificate requests were sent to the finance managers of all member agencies.

Item 8: PFAS Resolution Update

Tami Madsen advised the committee that this resolution is currently under review at the member agency level and will be presented to the committee in December.

Item 9: Treasurer Agreement Update

Tami Madsen reported that the Treasurer Agreement is undergoing final review with DMWW and Nyemaster Law Firm and is scheduled for presentation to the committee in December.

Item 10: October Financial Summary and October Expenditures

Because the Finance and Audit Committee meeting was held one week earlier due to the holiday, the October Financial Summary and October Expenditures were not yet available for review.

Item 11: October Revenue and Usage Summary

Plant production in the DMWW and WDMWW operating area is higher this year compared to the same period in the previous year.

Item 12: Other Business

Amy Kahler advised that the 28E Schedule I-10 includes reimbursable start-up expenses totaling $863,000, which were paid by member agencies on behalf of CIWW. She has initiated the process to ensure these amounts are reimbursed, as payment must be completed by the end of the year.

Adjournment

Chair Brennan adjourned the meeting at 9:12 a.m.

CENTRAL IOWA WATER WORKS

4601 Westown Parkway, Suite 122
West Des Moines, IA 50266
email: info@ciww.gov

Minutes

Executive Committee
Central Iowa Water Works
November 10, 2025
4601 Westown Parkway, Suite 122
West Des Moines, IA 50266
2:30 p.m.

Item 1: Call to Order

Chair Jody Smith called the meeting to order at 2:35 pm

Item 2: Roll Call

John McCune, Jody Smith, John Edwards*, Diane Munns*, Tami Madsen, Dustin Delvaux, Adam Humes (Nyemaster Goode, P.C.)

Item 3: Approve Minutes for October 13, 2025

John McCune moved to approve the minutes; seconded by John Edwards. The motion was approved by unanimous voice vote.

Item 4: Approve Minutes for October 15, 2025

John McCune moved to approve the minutes; seconded by John Edwards. The motion was approved by unanimous voice vote.

Item 5: CIWW Committees & Open Meetings Matters

Adam Humes of Nyemaster Goode, P.C. presented to the Executive Committee on open meeting requirements, specifically regarding CIWW committees. Iowa Code 21.2(1)(j) includes language specific to 28E entities which defines 28E committees as "governmental bodies" subjecting them to the same open meetings standards as the Board of Trustees.

The committee asked about requirements for offering virtual meetings. Adam Humes advised he would research virtual meetings further and provide Tami Madsen with his findings.

Adam Humes exited the meeting.

Item 6: Legislative Priorities

Tami Madsen informed the committee of one addition to the 2026 legislative priorities. All committee members expressed support for bringing the updated priorities to the Board of Trustees at their upcoming November meeting.

She also provided an update on the upcoming plant tour, noting two elected members of the Iowa General Assembly have confirmed attendance and two have tentatively responded. CIWW's legislative support team has been reaching out to all legislators within a one-hour radius of the Fleur Drive Water Treatment Plant, with most feedback indicating daytime events are difficult for legislators to attend. Madsen recommended scheduling an evening tour of the Saylorville Plant for a future date.

In addition, Tami and the legislative team are planning an evening event at the start of the legislative session, separate from the Saylorville Plant tour, and are arranging individual meetings with key legislators.

Item 7: RFP: The Water Research Foundation

Tami Madsen informed the committee that CIWW has been invited to participate in a research study led by Rand on alternative water use practices. CIWW would be included in the proposal Rand plans to submit to the Water Research Foundation (WRF), the organization funding the project. CIWW's contribution would consist of in-kind support through technical feedback on Rand's recommendations. Although CIWW is not currently a WRF member, the organization has encouraged CIWW to consider membership.

The committee recommended distributing the proposal to the Water Usage Best Practices Committee, via email, for individual review and feedback. To participate, CIWW would need to submit a letter of commitment for in-kind support to Rand by November 18, 2025.

Item 8: Executive Director Review

The executive director's review was conducted in open session. Tami Madsen and Dustin Delvaux exited the meeting. Committee members discussed the executive director's first-year performance, proposed goals for the second year, and reviewed proposed contract terms to be recommended to the full board. Tami reentered the meeting and the group discussed the same topics. Committee members will make a recommendation on a replacement Executive Director Employment Agreement to the Board of Trustees. Dependent on legal review/preparation, that recommendation could be at either the November or December Board meeting

Item 9: Review November Board of Trustees Meeting Agenda

The committee was informed that the November agenda includes standard items, except for the After-Action Review. A brief discussion was held regarding that presentation.

Item 10: Other Business

No other business was discussed.

Adjournment

Chair Smith adjourned the meeting at 4:38 p.m.

CENTRAL IOWA WATER WORKS

BOARD OF TRUSTEES ACTION ITEM FORM

Meeting Date: December 17, 2025

ITEM NUMBER: 6F

SUBJECT: Receive and File November Financial Summary and Approve November Expenditures

SUMMARY:

The following financial reports are attached:

1. Statement of Revenues, Expenses, and Change in Net Position for the month of November
2. Statement of Revenues, Expenses, and Change in Net Position – 12 Month Trend
3. Statement of Net Position as of November 30, 2025
4. Statement of Net Position – 12 Month Trend
5. Monthly Disbursement Listing for the month of November

Following are key financial highlights for the month:

- Interest-bearing operating cash as of November 30 totals approximately $23.86 million, which is higher than previous month due the timing of cash receipts and payments.
- Restricted cash balances, including the Bond Sinking Fund and Debt Service Reserve Fund, total $5.82 million at month-end and are earning 3.723%. Principal and interest payments were paid out of the Bond Sinking Fund on December 1st subsequent to these financial reports.
- Accounts Receivable of $9.65 million represents Member Agency water charges billed for November consumption and unpaid at month-end.
- Prepaid Expenses are payments made in advance for corporate insurance and employee insurance. Each month, a portion of this balance is amortized to expense as the service benefit of this insurance is received.
- Accounts Payable at month-end totals $137,650, which is higher than the previous month due to the timing of invoices received and paid.
- Bond Payable – Current of $1.74 million reflects the bond principal amounts due within one year. Principal payments were made subsequent to these financial reports on December 1st.
- DMWW has transferred to CIWW $12.3 million cash to fully satisfy the requirements of Schedule IV-11 finalized as of 12/31/24. This is shown on the financials as Joint Capital Payable as these amounts will be reimbursed to DMWW as the joint capital projects are completed.
- Long-term Debt of $47.93 million represents member SRF borrowings on water supply facilities transferred to CIWW at Operational Commencement, plus additional loan drawdowns for these facilities that occurred in 2025.
- Water Sales Revenue for November was $176k above budget. Since this is the first year of operations, monthly budgets were developed without the benefit of previous years' experience so there will be variances from month to month. YTD Water Sales Revenue is short of budget expectations by $759k due to the wet summer and lawn watering ban; however, this revenue shortfall is offset by favorable cash operating expense variances in comparison to budget.
- Contract Operator Expenses totaling $34.80 million YTD reflect a favorable budget variance of $4.91 million, compared to budgeted expenses of $39.72 million. It is likely that Contract

Operator Expenses will come in under-budget at year-end, more than offsetting the revenue shortfall.

- Investment income was $63,597 for the month and $408k YTD.
- Interest expense is interest on outstanding bonds, totaling $818k YTD.
- Total operating expenses are approximately $42.74 million YTD which is about $1.85 million above budget; however, this variance is because the non-cash line item of depreciation expense totaling $6.36 million was not budgeted.
- On a cash basis (excluding depreciation and amortization), YTD net income is approximately $3.8 million higher than expected. This favorable net position is attributed to conservative budget projections.
- November cash disbursements totaled $3,286,346.86

FINANCIAL IMPACT:

None.

RECOMMENDED ACTION BY THE BOARD OF TRUSTEES:

Motion to receive and file the November financial summary and approve November disbursements.

Prepared by: _____

Reviewed by: _____

Central Iowa Water Works
Statement of Net Position
As of November 30, 2025
Year To Date 11/30/2025

Assets	
Current Assets	
Cash and Cash Equivalents	23,864,222
Restricted Cash	5,822,557
Accounts Receivable	9,650,458
Prepaid Expenses	10,011
Total Current Assets	39,347,248
Capital Assets, Net	301,763,971
Total Assets	**341,111,219**
Liabilities	
Current Liabilities	
Accounts Payable	137,650
Accrued Liabilities	957,383
Accrued Interest Payable	421,137
Accrued Payroll Liabilities	23,556
Bond Payable - Current	1,737,013
Joint Capital Payable	12,333,226
Total Current Liabilities	15,609,965
Long-Term Debt, Net	47,930,910
Total Liabilities	**63,540,875**
Net Position	**277,570,343**
Total Liabilities and Net Position	**341,111,219**

Central Iowa Water Works
Statement of Net Position - Trend
As of November 30, 2025

	Month Ending 12/31/2024 Actual	Month Ending 01/31/2025 Actual	Month Ending 02/28/2025 Actual	Month Ending 03/31/2025 Actual	Month Ending 04/30/2025 Actual	Month Ending 05/31/2025 Actual	Month Ending 06/30/2025 Actual	Month Ending 07/31/2025 Actual	Month Ending 08/31/2025 Actual	Month Ending 09/30/2025 Actual	Month Ending 10/31/2025 Actual	Month Ending 11/30/2025 Actual
Assets												
Current Assets												
Cash and Cash Equivalents	1,398,026	4,354,783	6,406,499	7,524,517	12,166,983	9,611,475	13,916,782	9,387,784	10,829,587	20,241,003	21,763,935	23,864,222
Restricted Cash	0	3,886,428	4,113,208	4,341,672	4,570,226	4,799,699	4,440,738	4,868,401	5,089,585	5,104,478	5,738,320	5,822,557
Accounts Receivable	0	3,833,844	4,337,713	4,332,054	3,435,468	5,317,538	4,376,118	6,055,219	9,122,458	9,262,441	8,876,962	9,650,458
Prepaid Expenses	2,350	0	0	0	0	0	8,875	31,245	25,706	20,166	14,628	10,011
Total Current Assets	1,400,376	12,075,055	14,857,420	16,198,243	20,172,677	19,728,712	22,742,513	20,342,649	25,067,336	34,628,088	36,393,845	39,347,248
Capital Assets, Net	0	36,629,467	39,142,799	39,239,766	42,065,813	42,103,416	43,581,355	46,754,034	46,767,789	302,630,292	302,112,485	301,763,971
Total Assets	**1,400,376**	**48,704,522**	**54,000,219**	**55,438,009**	**62,238,490**	**61,832,128**	**66,323,868**	**67,096,683**	**71,835,125**	**337,258,380**	**338,506,330**	**341,111,219**
Liabilities												
Current Liabilities												
Accounts Payable	0	93,522	912,826	45,439	2,830,703	45,308	1,477,939	415,951	13,605	97,656	4,716	137,650
Accrued Liabilities	1,302,807	866,285	863,743	863,743	863,743	863,743	864,743	913,743	963,743	1,013,743	1,063,743	957,383
Accrued Interest Payable	0	0	0	210,568	280,758	350,947	70,190	140,379	210,568	280,758	350,947	421,137
Accrued Payroll Liabilities	19,150	17,822	13,097	20,283	28,029	36,383	42,733	17,332	19,902	22,034	30,623	23,556
Bond Payable - Current	0	0	0	0	0	0	1,737,013	1,737,013	1,737,013	1,737,013	1,737,013	1,737,013
Joint Capital Payable	0	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	12,333,226	12,333,226	12,333,226
Total Current Liabilities	1,321,957	5,977,629	6,789,666	6,140,033	9,003,233	6,296,381	9,192,618	8,224,418	7,944,831	15,484,430	15,520,268	15,609,965
Long-Term Debt, Net	0	40,358,231	42,812,194	42,968,529	45,631,894	45,767,260	45,508,186	46,616,994	47,930,911	47,930,910	47,930,910	47,930,910
Total Liabilities	**1,321,957**	**46,335,860**	**49,601,860**	**49,108,562**	**54,635,127**	**52,063,641**	**54,700,804**	**54,841,412**	**55,875,742**	**63,415,340**	**63,451,178**	**63,540,875**
Net Position	**78,420**	**2,368,662**	**4,398,359**	**6,329,447**	**7,603,363**	**9,768,487**	**11,623,064**	**12,255,271**	**15,959,384**	**273,843,040**	**275,055,152**	**277,570,343**
Total Liabilities and Net Position	**1,400,376**	**48,704,522**	**54,000,219**	**55,438,009**	**62,238,490**	**61,832,128**	**66,323,868**	**67,096,683**	**71,835,125**	**337,258,380**	**338,506,330**	**341,111,219**

Central Iowa Water Works
Statement of Revenues, Expenses, and Change in Net Position
For the Period Ending November 30, 2025

	Month Ending 11/30/2025			Year To Date 11/30/2025			Year Ending 12/31/2025	
	Actual	Budget	Variance	Actual	Budget	Variance	Budget	% Remaining
Change in Net Position								
Operating Revenue(Expense), Net								
Operating Revenue								
Water Sales Revenue	5,126,872	4,950,340	176,533	61,018,151	61,777,246	(759,096)	66,727,586	9 %
Expansion Revenue	64,367	64,367	(1)	708,037	708,047	(10)	772,415	8 %
Other Revenue	1,006	0	1,005	2,285	0	2,286	0	0 %
Total Operating Revenue	5,192,245	5,014,707	177,537	61,728,473	62,485,293	(756,820)	67,500,001	9 %
Operating Expenses								
Personnel								
Salaries & Wages	15,432	28,333	12,901	272,252	311,666	39,414	340,000	20 %
Payroll Taxes	586	2,167	1,582	18,681	23,843	5,162	26,010	28 %
Employee Benefits	9,906	6,875	(3,030)	87,219	75,625	(11,595)	82,500	(6) %
Total Personnel	25,924	37,375	11,453	378,152	411,134	32,981	448,510	16 %
Professional Services								
Legal and Accounting Fees	19,911	20,834	921	417,649	229,166	(188,481)	280,000	(49) %
Professional Services - Other	0	416	417	56,882	249,584	192,700	1,108,743	95 %
Total Professional Services	19,911	21,250	1,338	474,531	478,750	4,219	1,388,743	66 %
Contract Operator Expenses								
Contract Operator Expenses	1,987,339	2,989,335	1,001,996	34,801,233	39,715,446	4,914,213	42,704,779	19 %
Total Contract Operator Expenses	1,987,339	2,989,335	1,001,996	34,801,233	39,715,446	4,914,213	42,704,779	19 %
Occupancy and Office								
Mailing & Production	58	500	442	473	5,500	5,028	6,000	92 %
Facility & Equipment Expenses	54,044	5,000	(49,043)	581,193	54,999	(526,193)	60,000	(869) %
IT & Telecommunications	2,285	0	(2,285)	22,391	0	(22,392)	0	0 %
Licenses & Fees	0	0	0	104	151,897	151,793	303,793	100 %
Total Occupancy and Office	56,387	5,500	(50,886)	604,161	212,396	(391,764)	369,793	(63) %
Other								
Travel Expense	1,984	0	(1,984)	7,153	0	(7,153)	0	0 %
Business Expenses	5,678	2,500	(3,179)	108,481	27,500	(80,981)	30,000	(262) %
Other Expenses	260	4,417	4,157	5,963	48,583	42,620	53,000	89 %
Total Other	7,922	6,917	(1,006)	121,597	76,083	(45,514)	83,000	(47) %
Depreciation and Amortization								
Depreciation	572,978	0	(572,978)	6,364,692	0	(6,364,692)	0	0 %
Total Depreciation and Amortization	572,978	0	(572,978)	6,364,692	0	(6,364,692)	0	0 %
Total Operating Expenses	2,670,461	3,060,377	389,917	42,744,366	40,893,809	(1,850,557)	44,994,825	5 %
Total Operating Revenue(Expense), Net	2,521,784	1,954,330	567,454	18,984,107	21,591,484	(2,607,377)	22,505,176	16 %
Non-Operating Revenue(Expense), Net								
Investments, net	63,597	0	63,597	408,219	0	408,219	0	0 %
Interest Expense	70,189	0	(70,189)	818,678	0	(818,678)	0	0 %
Total Non-Operating Revenue(Expense), Net	(6,592)	0	(6,592)	(410,459)	0	(410,459)	0	0 %
Other Revenue								
Capital Contributions	0	0	0	258,918,276	0	258,918,276	0	0 %
Total Other Revenue	0	0	0	258,918,276	0	258,918,276	0	0 %
Total Change in Net Position	**2,515,192**	**1,954,330**	**560,862**	**277,491,924**	**21,591,484**	**255,900,440**	**22,505,176**	**(1,133) %**

Central Iowa Water Works
Statement of Revenues, Expenses, and Change in Net Position - Trend
For the Period Ending November 30, 2025

	Month Ending 12/31/2024 Actual	Month Ending 01/31/2025 Actual	Month Ending 02/28/2025 Actual	Month Ending 03/31/2025 Actual	Month Ending 04/30/2025 Actual	Month Ending 05/31/2025 Actual	Month Ending 06/30/2025 Actual	Month Ending 07/31/2025 Actual	Month Ending 08/31/2025 Actual	Month Ending 09/30/2025 Actual	Month Ending 10/31/2025 Actual	Month Ending 11/30/2025 Actual
Change in Net Position												
Operating Revenue(Expense), Net												
Operating Revenue												
Water Sales Revenue												
Water Sales	0	3,517,199	3,249,826	3,435,171	3,418,423	4,329,042	4,027,877	3,641,120	4,287,399	4,558,873	3,962,477	3,380,557
Joint Fixed Revenue	0	1,746,315	1,746,315	1,746,315	1,746,315	1,746,315	1,747,037	1,746,315	1,746,315	1,746,315	1,746,315	1,746,315
Total Water Sales Revenue	0	5,263,514	4,996,141	5,181,486	5,164,738	6,075,357	5,774,914	5,387,435	6,033,714	6,305,188	5,708,792	5,126,872
Expansion Revenue	0	64,367	64,367	64,367	64,367	64,367	64,367	64,367	64,367	64,367	64,367	64,367
Other Revenue												
Miscellaneous Revenue	0	0	0	0	0	0	0	0	1,280	0	0	1,006
Total Other Revenue	0	0	0	0	0	0	0	0	1,280	0	0	1,006
Total Operating Revenue	0	5,327,881	5,060,508	5,245,853	5,229,105	6,139,724	5,839,281	5,451,802	6,099,361	6,369,555	5,773,159	5,192,245
Operating Expenses												
Personnel												
Salaries & Wages	39,471	22,082	16,770	22,943	26,410	26,415	25,523	30,870	25,037	26,739	34,031	15,432
Payroll Taxes	2,199	1,752	1,380	1,877	2,053	2,111	2,030	2,455	1,931	1,414	1,093	586
Employee Benefits	6,685	3,448	8,364	7,065	7,426	8,687	8,202	8,599	9,342	9,724	6,455	9,906
Total Personnel	48,355	27,282	26,514	31,885	35,889	37,213	35,755	41,924	36,310	37,877	41,579	25,924
Professional Services												
Legal and Accounting Fees	230,646	17,391	35,382	71,877	33,437	34,636	53,399	68,730	25,564	27,584	29,739	19,911
Professional Services - Other	230,902	304	0	21,473	4,000	0	0	0	27,156	0	3,950	0
Total Professional Services	461,548	17,695	35,382	93,350	37,437	34,636	53,399	68,730	52,720	27,584	33,689	19,911
Contract Operator Expenses												
Contract Operator Expenses	0	2,982,982	2,982,218	3,002,808	3,839,582	3,847,280	3,843,431	4,270,478	2,197,810	2,003,874	3,843,431	1,987,339
Total Contract Operator Expenses	0	2,982,982	2,982,218	3,002,808	3,839,582	3,847,280	3,843,431	4,270,478	2,197,810	2,003,874	3,843,431	1,987,339
Occupancy and Office												
Mailing & Production												
Printing and Reproduction	0	0	0	0	0	0	0	58	152	59	58	58
Postage and Shipping	0	0	88	0	0	0	0	0	0	0	0	0
Total Mailing & Production	0	0	88	0	0	0	0	58	152	59	58	58
Facility & Equipment Expenses												
Facility Expense	0	0	0	0	0	3,393	0	353,253	53,393	53,958	53,394	53,394
Materials & Supplies	1,193	0	45	96	122	0	0	6,230	1,404	1,320	541	650
Total Facility & Equipment Expenses	1,193	0	45	96	122	3,393	0	359,483	54,797	55,278	53,935	54,044
IT & Telecommunications												
Telecommunication Expense	74	0	0	0	0	0	0	0	0	0	0	0
Internet	0	0	0	0	0	0	0	120	0	120	120	262
IT Software & Subscriptions	578	0	167	150	0	0	0	0	895	99	88	562
IT Hardware & Equipment	0	0	0	0	0	1,709	0	6,795	5,729	4,113	0	1,461
Total IT & Telecommunications	652	0	167	150	0	1,709	0	6,915	6,624	4,332	208	2,285
Licenses & Fees												
Licenses and Permits Expense	0	0	0	0	0	0	0	0	0	104	0	0
Total Licenses & Fees	0	0	0	0	0	0	0	0	0	104	0	0
Total Occupancy and Office	1,845	0	300	246	122	5,102	0	366,456	61,573	59,773	54,201	56,387
Other												

Central Iowa Water Works
Statement of Revenues, Expenses, and Change in Net Position - Trend
For the Period Ending November 30, 2025

	Month Ending 12/31/2024 Actual	Month Ending 01/31/2025 Actual	Month Ending 02/28/2025 Actual	Month Ending 03/31/2025 Actual	Month Ending 04/30/2025 Actual	Month Ending 05/31/2025 Actual	Month Ending 06/30/2025 Actual	Month Ending 07/31/2025 Actual	Month Ending 08/31/2025 Actual	Month Ending 09/30/2025 Actual	Month Ending 10/31/2025 Actual	Month Ending 11/30/2025 Actual
Travel Expense												
Travel	0	0	353	924	0	459	175	1,628	0	163	144	1,008
Meal and Entertainment Expense	452	275	48	0	263	0	0	0	0	169	569	976
Total Travel Expense	452	275	401	924	263	459	175	1,628	0	332	713	1,984
Business Expenses												
General Insurance Premiums	0	2,350	0	0	0	11,464	(8,876)	887	888	887	3,016	4,265
Advertising and Publishing Expense	0	0	0	1,079	2,500	130	162	287	205	744	726	401
Public Relations and Communications Expense	5,393	0	2,750	0	0	0	0	38,712	9,169	24,786	0	0
Dues and Subscriptions Expense	0	0	482	477	0	0	5,100	0	0	0	0	1,012
Education and Training	0	0	4,145	0	30	703	0	0	0	0	0	0
Total Business Expenses	5,393	2,350	7,377	1,556	2,530	12,297	(3,614)	39,886	10,262	26,417	3,742	5,678
Other Expenses												
Bank Fees	32	2,534	192	86	101	75	75	75	75	75	74	75
Miscellaneous Expenses	864,188	181	179	244	137	279	186	261	217	277	379	185
Total Other Expenses	864,220	2,715	371	330	238	354	261	336	292	352	453	260
Total Other	870,065	5,340	8,149	2,810	3,031	13,110	(3,178)	41,850	10,554	27,101	4,908	7,922
Depreciation and Amortization												
Depreciation	0	0	0	0	0	0	0	0	0	5,217,959	573,756	572,978
Total Depreciation and Amortization	0	0	0	0	0	0	0	0	0	5,217,959	573,756	572,978
Total Operating Expenses	1,381,813	3,033,299	3,052,563	3,131,099	3,916,061	3,937,341	3,929,407	4,789,438	2,358,967	7,374,168	4,551,564	2,670,461
Total Operating Revenue(Expense), Net	(1,381,813)	2,294,582	2,007,945	2,114,754	1,313,044	2,202,383	1,909,874	662,364	3,740,394	(1,004,613)	1,221,595	2,521,784
Non-Operating Revenue(Expense), Net												
Investments, net	5,125	20,526	21,752	26,902	31,062	32,930	36,622	40,032	33,909	40,183	60,706	63,597
Interest Expense	0	24,865	0	210,568	70,190	70,189	91,918	70,190	70,190	70,190	70,189	70,189
Total Non-Operating Revenue(Expense), Net	5,125	(4,339)	21,752	(183,666)	(39,128)	(37,259)	(55,296)	(30,158)	(36,281)	(30,007)	(9,483)	(6,592)
Other Revenue												
Capital Contributions	0	0	0	0	0	0	0	0	0	258,918,276	0	0
Total Other Revenue	0	0	0	0	0	0	0	0	0	258,918,276	0	0
Total Change in Net Position	**(1,376,688)**	**2,290,243**	**2,029,697**	**1,931,088**	**1,273,916**	**2,165,124**	**1,854,578**	**632,206**	**3,704,113**	**257,883,656**	**1,212,112**	**2,515,192**

Central Iowa Water Works
Monthly Disbursements Listing - November

Vendor name	Account title	Amount
American Abstract	Contracted Engineering Services	950.00
Automatic Data Processing, Inc.	Accrued Salary	18,232.57
Automatic Data Processing, Inc.	Withholding Taxes Payable	5,282.45
Automatic Data Processing, Inc.	Miscellaneous Expenses	185.70
Bankers Trust Company	Bank Fees	74.90
Bankers Trust Company	Advertising and Publishing Expense	88.00
Bankers Trust Company	Meal and Entertainment Expense	377.48
Bankers Trust Company	General Insurance Premiums	1,651.09
Bankers Trust Company	Internet	120.00
Bankers Trust Company	IT Software & Subscriptions	135.93
Bankers Trust Company	Travel	1,008.76
Bankers Trust Company	Materials & Supplies	521.19
City of Grimes	Contract Operator Expenses	192,468.00
Dentons Davis Brown PC	Other Professional Services	3,000.00
Des Moines Water Works	Contract Operator Expenses	2,459,363.00
Dustin Delvaux	Travel	143.85
Holmes Murphy & Associates LLC	General Insurance Premiums	464.00
Iowa Title Co	Miscellaneous Expenses	100.00
IPERS	IPERS Payable	3,823.60
Marco Technologies, LLC	Printing and Reproduction	116.36
Nyemaster Goode, P.C.	Legal	11,805.80
RSM US LLP	Accounting	7,035.00
Storey Kenworthy Corporation	Office & Data Processing Equipment	5,092.95
Strand Associates, Inc	Construction in Progress	89,520.00
THREE FOUNTAINS ll, LLC	Facility Expense	3,393.23
Urbandale Water Utility	Accrued Expenses	156,360.00
Voya Financial	Deferred Compensation	1,000.00
West Des Moines Water Works	Contract Operator Expenses	324,033.00
Sum Total		**3,286,346.86**

CENTRAL IOWA WATER WORKS

BOARD OF TRUSTEES ACTION ITEM FORM

Meeting Date: December 17, 2025

ITEM NUMBER: 6G

SUBJECT: Motion – Receive and File CIWW November 2025 Revenue and Usage Summary

SUMMARY:

The November 2025 Revenue and Usage Summary is presented as Item 6G. The summary incorporates a pie chart depicting the proportional contribution of each member to water pumpage and associated billing for November 2025, in addition to cumulative data through the month of November.

FINANCIAL IMPACT:

None.

RECOMMENDED ACTION BY THE BOARD OF TRUSTEES:

Move to approve the consent agenda including item 6G - Receive and File CIWW November 2025 Revenue and Usage Summary

Prepared by: Sami Madsen

Central Iowa Water Works
Member Billing - November Revenue

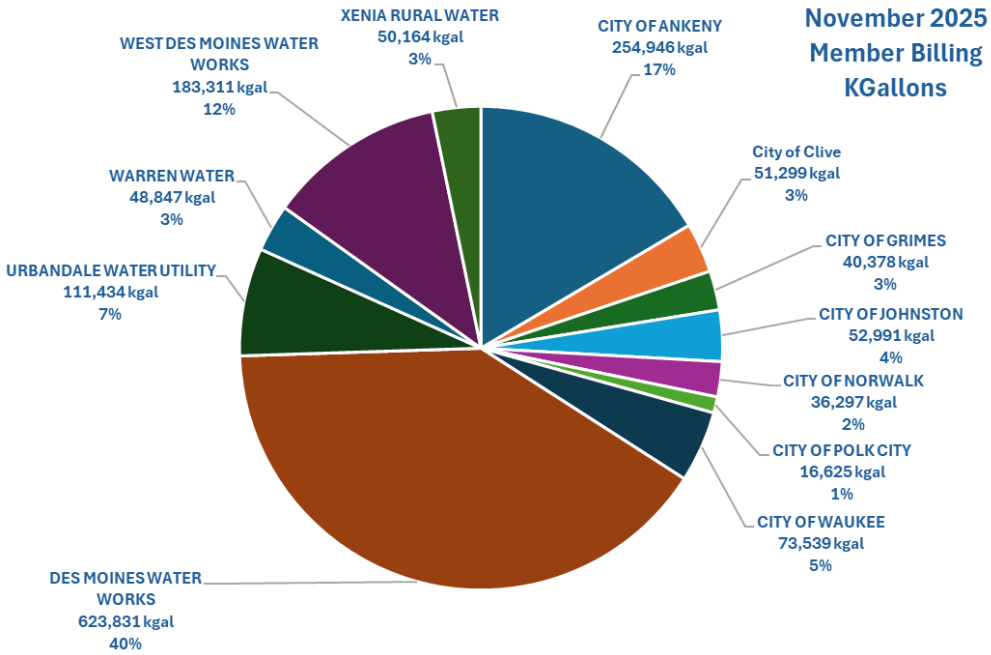
				Consumption					
Member Name	Account #	Bill Code	Description	Cubic Feet	Kgals	Nov Revenue	Balance Forward	Paid	A/R - 11/30/2025
CITY OF ANKENY	0012470-005039	CE1	CIWW Base - Consumption	8,768,112	65,590	$143,639.21	$225,931.25	$99,952.28	$269,618.18
	0012470-005040	CE1	CIWW Base - Consumption	6,791,866	50,807	$111,264.35	$178,044.46	$81,451.99	$207,856.82
	0012470-084793	CE1	CIWW Base - Consumption	5,789,000	43,305	$94,835.40	$156,685.64	$73,497.84	$178,023.20
	0012470-099890	CE1	CIWW Base - Consumption	6,922,000	51,780	$113,396.20	$184,240.17	$85,407.56	$212,228.81
	0012470-101656	CE1	CIWW Base - Consumption	5,810,500	43,465	$95,187.61	$153,179.90	$72,211.86	$176,155.65
	0012470-105134	CF1	CIWW Expansion - Ankeny	0	0	$14,792.00	$14,792.00	$14,792.00	$14,792.00
		CG4	CIWW Joint Fixed Costs - Ankeny	0	0	$145,912.00	$145,912.00	$145,912.00	$145,912.00
	0070846-084542	CE1	CIWW Base - Consumption	0	0	$0.00	$0.00	$0.00	$0.00
CITY OF ANKENY Total				**34,081,478**	**254,946**	**$719,026.77**	$1,058,785.42	$573,225.53	$1,204,586.66
City of Clive	0010362-038471	CE1	CIWW Base - Consumption	559,398	4,185	$9,164.06	$7,198.28	$7,198.28	$9,164.06
	0010362-062939	CE1	CIWW Base - Consumption	106,195	794	$1,739.69	$1,108.67	$1,108.67	$1,739.69
	0010362-064409	CE1	CIWW Base - Consumption	1,858,500	13,903	$30,445.95	$42,617.77	$42,617.77	$30,445.95
	0010362-105135	CF2	CIWW Expansion - Clive	0	0	$1,132.00	$0.00	$1,132.00	$0.00
		CG5	CIWW Joint Fixed Costs - Clive	0	0	$67,114.00	$0.00	$67,114.00	$0.00
	0022523-083773	CE1	CIWW Base - Consumption	4,168,600	31,183	$68,290.01	$59,140.00	$59,140.00	$68,290.01
	0220444-067362	CE1	CIWW Base - Consumption	165,000	1,234	$2,703.03	$2,956.95	$2,956.95	$2,703.03
City of Clive Total				**6,857,693**	**51,299**	**$180,588.73**	$113,021.67	$181,267.67	$112,342.73
CITY OF GRIMES	0036327-105145	CF5	CIWW Expansion - Grimes	0	0	$8,638.00	$0.00	$8,638.00	$0.00
		CG8	CIWW Joint Fixed Costs - Grimes	0	0	$57,088.00	$0.00	$57,088.00	$0.00
	0036327-105152	CE1	CIWW Base - Consumption	5,397,703	40,378	$88,425.17	$113,291.85	$0.00	$201,717.02
CITY OF GRIMES Total				**5,397,703**	**40,378**	**$154,151.17**	$113,291.85	$65,726.00	$201,717.02
CITY OF JOHNSTON	0024246-057063	CE1	CIWW Base - Consumption	945,500	7,073	$15,489.18	$66,519.11	$23,074.05	$58,934.24
	0024246-065845	CE1	CIWW Base - Consumption	2,261,000	16,913	$37,039.70	$84,350.92	$39,619.87	$81,770.75
	0024246-087010	CE1	CIWW Base - Consumption	1,361,350	10,184	$22,301.64	$97,956.99	$63,833.28	$56,425.35
	0024246-099730	CE1	CIWW Base - Consumption	2,516,043	18,821	$41,217.82	$111,131.47	$77,157.22	$75,192.07
	0024246-105136	CF4	CIWW Expansion - Johnston	0	0	$3,979.00	$3,979.00	$3,979.00	$3,979.00
		CG7	CIWW Joint Fixed Costs - Johnston	0	0	$83,716.00	$83,716.00	$83,716.00	$83,716.00
CITY OF JOHNSTON Total				**7,083,893**	**52,991**	**$203,743.34**	$447,653.49	$291,379.42	$360,017.41
CITY OF NORWALK	0249590-044039	CE1	CIWW Base - Consumption	1,450,000	10,847	$23,753.90	$33,091.64	$33,091.64	$23,753.90
	0249590-051829	CE1	CIWW Base - Consumption	10,200	76	$167.10	$168.73	$168.73	$167.10
	0249590-102922	CE1	CIWW Base - Consumption	3,392,009	25,374	$55,567.89	$63,067.08	$63,067.08	$55,567.89
	0249590-105137	CF6	CIWW Expansion - Norwalk	0	0	$4,183.00	$0.00	$4,183.00	$0.00
		CG9	CIWW Joint Fixed Costs - Norwalk	0	0	$40,417.00	$0.00	$40,417.00	$0.00
CITY OF NORWALK Total				**4,852,209**	**36,297**	**$124,088.89**	$96,327.45	$140,927.45	$79,488.89
CITY OF POLK CITY	0237803-005459	CE1	CIWW Base - Consumption	1,262,000	9,440	$20,674.08	$28,365.43		$49,039.51
	0237803-105138	CF7	CIWW Expansion - Polk City	0	0	$1,092.00	$1,092.00	$1,092.00	$1,092.00
		CH1	CIWW Joint Fixed Costs - Polk City	0	0	$20,295.00	$20,295.00	$20,295.00	$20,295.00
	0237803-105150	CE1	CIWW Base - Consumption	960,385	7,184	$15,733.03	$32,003.39	$16,270.36	$31,466.06
CITY OF POLK CITY Total				**2,222,385**	**16,625**	**$57,794.11**	$81,755.82	$37,657.36	$101,892.57
CITY OF WAUKEE	0012341-058559	CE1	CIWW Base - Consumption	5,747,881	42,997	$94,161.79	$269,686.49	$112,815.95	$251,032.33
	0012341-082625	CE1	CIWW Base - Consumption	1,576,000	11,789	$25,818.03	$78,412.45	$47,876.40	$56,354.08
	0012341-098837	CE1	CIWW Base - Consumption	2,506,879	18,753	$41,067.69	$61,546.90	$30,823.08	$71,791.51
	0012341-105139	CG1	CIWW Expansion - Waukee	0	0	$7,377.00	$7,377.00	$7,377.00	$7,377.00
		CH4	CIWW Joint Fixed Costs - Waukee	0	0	$71,239.00	$71,239.00	$71,239.00	$71,239.00
CITY OF WAUKEE Total				**9,830,760**	**73,539**	**$239,663.51**	$488,261.84	$270,131.43	$457,793.92
DES MOINES WATER WORKS	0215002-105146	CF3	CIWW Expansion - DMWW	0	0	$9,153.00	$0.00	$9,153.00	$0.00
		CG6	CIWW Joint Fixed Costs - DMWW	0	0	$754,374.00	$0.00	$754,374.00	$0.00
	0215002-105149	CE1	CIWW Base - Consumption	83,394,280	623,831	$1,366,165.09	$1,612,907.94	$1,612,907.94	$1,366,165.09
DES MOINES WATER WORKS Total				**83,394,280**	**623,831**	**$2,129,692.09**	$1,612,907.94	$2,376,434.94	$1,366,165.09
URBANDALE WATER UTILITY	0222909-037901	CE1	CIWW Base - Consumption	134	1	$2.20	$6.13	$6.13	$2.20
	0222909-037902	CE1	CIWW Base - Consumption	8	0	$0.13	$0.03	$0.03	$0.13
	0222909-037903	CE1	CIWW Base - Consumption	1,576	12	$25.82	$78.90	$78.90	$25.82
	0222909-052133	CE1	CIWW Base - Consumption	6,800,076	50,868	$111,398.85	$183,658.26	$183,658.26	$111,398.85

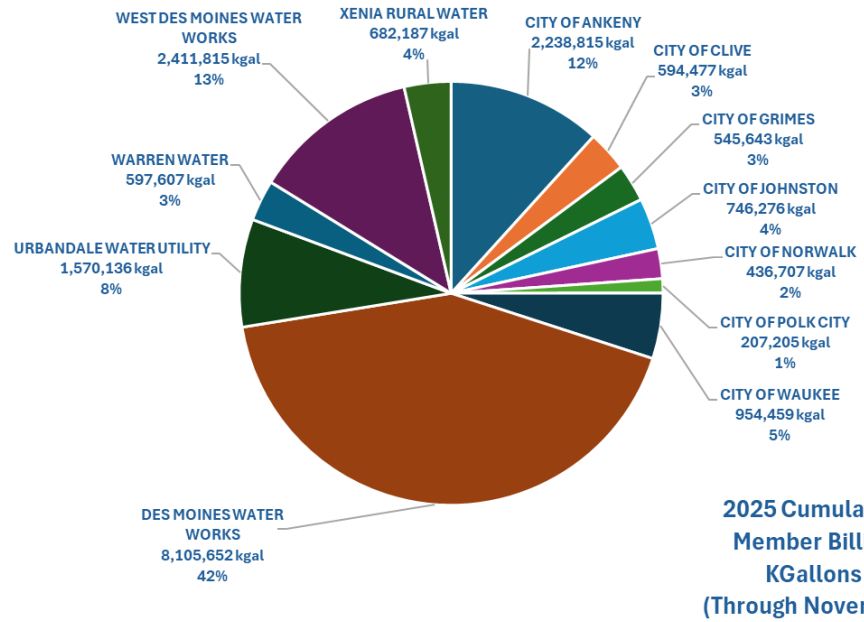
URBANDALE WATER UTILITY	**0222909-054053**	CE1	**CIWW Base - Consumption**	297	2	$4.87	$11.96	$11.96	$4.87
	0222909-073198	CE1	**CIWW Base - Consumption**	8,093,900	60,546	$132,594.27	$159,845.73	$159,845.73	$132,594.27
	0222909-074693	CE1	**CIWW Base - Consumption**	500	4	$8.19	$24.57	$24.57	$8.19
	0222909-104087	CE1	**CIWW Base - Consumption**	112	1	$1.83	$76.39	$76.39	$1.83
	0222909-105140	CF8	**CIWW Expansion - UWU**	0	0	$4,644.00	$0.00	$4,644.00	$0.00
		CH2	**CIWW Joint Fixed Costs - UWU**	0	0	$171,366.00	$0.00	$171,366.00	$0.00
URBANDALE WATER UTILITY Total				**14,896,603**	**111,434**	**$420,046.15**	$343,701.97	$519,711.97	$244,036.15
WARREN RURAL WATER	**0150261-005279**	CE1	**CIWW Base - Consumption**	0	0	$0.00	$0.00	$0.00	$0.00
	0150261-005280	CE1	**CIWW Base - Consumption**	3,623,000	27,102	$59,351.99	$62,177.88	$62,177.88	$59,351.99
	0150261-064408	CE1	**CIWW Base - Consumption**	2,906,928	21,745	$47,621.29	$53,748.80	$53,748.80	$47,621.29
	0150261-105141	CF9	**CIWW Expansion - WWD**	0	0	$1,081.00	$0.00	$1,081.00	$0.00
		CH3	**CIWW Joint Fixed Costs - WWD**	0	0	$48,994.00	$0.00	$48,994.00	$0.00
WARREN RURAL WATER Total				**6,529,928**	**48,847**	**$157,048.28**	$115,926.68	$166,001.68	$106,973.28
WEST DES MOINES WATER WORKS	**0102137-085433**	CE1	**CIWW Base - Consumption**	21,850	163	$357.95	$741.29	$741.29	$357.95
	0189348-085833	CE1	**CIWW Base - Consumption**	1,187,700	8,885	$19,456.90	$19,947.54	$19,947.54	$19,456.90
	0189348-098842	CE1	**CIWW Base - Consumption**	1,642,557	12,287	$26,908.37	$34,847.69	$34,847.69	$26,908.37
	0189348-099617	CE1	**CIWW Base - Consumption**	2,693	20	$44.12	$70.75	$70.75	$44.12
	0240344-005548	CE1	**CIWW Base - Consumption**	2,032	15	$33.29	$493.10	$493.10	$33.29
	0240344-005549	CE1	**CIWW Base - Consumption**	0	0	$0.00	$232.12	$232.12	$0.00
	0240344-048523	CE1	**CIWW Base - Consumption**	334,000	2,498	$5,471.59	$17,823.62	$17,823.62	$5,471.59
	0240344-067347	CE1	**CIWW Base - Consumption**	0	0	$0.00	$0.00	$0.00	$0.00
	0240344-084852	CE1	**CIWW Base - Consumption**	3,705,000	27,715	$60,695.31	$88,217.07	$88,217.07	$60,695.31
	0240344-099901	CE1	**CIWW Base - Consumption**	0	0	$0.00	$237.54	$237.54	$0.00
	0240344-100863	CE1	**CIWW Base - Consumption**	354,500	2,652	$5,807.42	$17,651.61	$17,651.61	$5,807.42
	0240344-105142	CG2	**CIWW Expansion - WDMWW**	0	0	$8,050.00	$0.00	$8,050.00	$0.00
		CH5	**CIWW Joint Fixed Costs - WDMWW**	0	0	$235,374.00	$0.00	$235,374.00	$0.00
	0240344-105151	CE1	**CIWW Base - Consumption**	17,254,863	129,075	$282,669.16	$363,936.40	$363,936.40	$282,669.16
WEST DES MOINES WATER WORKS Total				**24,505,195**	**183,311**	**$644,868.10**	$544,198.73	$787,622.73	$401,444.10
XENIA RURAL WATER	**0223361-005186**	CE1	**CIWW Base - Consumption**	2,074,371	15,517	$33,982.35	$19,785.84	$19,785.84	$33,982.35
	0223361-005187	CE1	**CIWW Base - Consumption**	265	2	$4.34	$5.00	$5.00	$4.34
	0223361-085893	CE1	**CIWW Base - Consumption**	1,463,072	10,945	$23,968.05	$28,505.22	$28,505.22	$23,968.05
	0223361-098831	CE1	**CIWW Base - Consumption**	3,168,201	23,700	$51,901.47	$97,356.80	$97,356.80	$51,901.47
	0223361-105144	CG3	**CIWW Expansion - Xenia**	0	0	$246.00	$0.00	$246.00	$0.00
		CH6	**CIWW Joint Fixed Costs - Xenia**	0	0	$50,426.00	$0.00	$50,426.00	$0.00
XENIA RURAL WATER Total				**6,705,909**	**50,164**	**$160,528.20**	$145,652.86	$196,324.86	$109,856.20
Grand Total				**206,358,036**	**1,543,661**	**$5,191,239.34**	$5,161,485.72	$5,606,411.04	$4,746,314.02

CIWW Base - Consumption	$3,380,557.34
CIWW Expansion	$64,367.00
CIWW Joint Fixed Costs	$1,746,315.00
Total October Revenue	**$5,191,239.34**

CIWW November 2025 Usage Summary

	Cumulative To Date	Cumulative % To Date	October	% Total	Change From Previous Month	November	% Total	Change From Previous Month
CITY OF ANKENY	2,238,815	12%	221,721	10.65%	33,351	254,946	16.52%	33,226
CITY OF CLIVE	594,477	3%	51,609	2.48%	-15,416	51,299	3.32%	-310
CITY OF GRIMES	545,643	3%	51,732	2.49%	-14,979	40,378	2.62%	-11,355
CITY OF JOHNSTON	746,276	4%	71,359	3.43%	-21,649	52,991	3.43%	-18,368
CITY OF NORWALK	436,707	2%	43,986	2.11%	-6,878	36,297	2.35%	-7,689
CITY OF POLK CITY	207,205	1%	20,137	0.97%	-5,586	16,625	1.08%	-3,512
CITY OF WAUKEE	954,459	5%	87,452	4.20%	-12,153	73,539	4.76%	-13,913
DES MOINES WATER WORKS	8,105,652	42%	736,501	35.38%	-112,375	623,831	40.41%	-112,670
URBANDALE WATER UTILITY	1,570,136	8%	156,944	7.54%	-48,619	111,434	7.22%	-45,510
WARREN WATER	597,607	3%	52,936	2.54%	-4,751	48,847	3.16%	-4,088
WEST DES MOINES WATER WORKS	2,411,815	13%	248,497	11.94%	-56,718	183,311	11.88%	-65,186
XENIA RURAL WATER	682,187	4%	66,509	3.19%	-6,558	50,164	3.25%	-16,346
	19,090,979		1,809,383		-272,332	1,543,661		-265,722





CENTRAL IOWA WATER WORKS

BOARD OF TRUSTEES ACTION ITEM FORM

Meeting Date: December 17, 2025

ITEM NUMBER: 6H

SUBJECT: Motion – Receive and File Project Update and Capital Expenditure Reimbursement Report

SUMMARY:

The Project Update and Capital Expenditure Reimbursement Report is included in the consent agenda. The report provides an accounting of expenditures related to capital items approved in the Central Iowa Water Works budget.

FINANCIAL IMPACT:

The financial impact aligns with the 2025 budget.

RECOMMENDED ACTION BY THE BOARD OF TRUSTEES:

Motion – Receive and File Project Update and Capital Expenditure Reimbursement Report with the consent agenda.

Prepared by: Tami Madson

Grimes

Request for Reimbursement For Capital Expenditures

Project #	Asset Description	2025 Budget	Reallocated Budget	Remaining Budget	Reallocation	Cash or Debt	January	February	March	April	May	June	July	August	September	October	November	Total
	Lime Plant Roof Repairs	$ 288,000.00	$ 204,366.00	*$ 116,666.00*	$ (83,634.00)									$ 87,700.00				$ 87,700.00
	Lime Plant HVAC Components	$ 15,000.00		*$ 15,000.00*														$ -
	Jordan Well drop pipe with stainless steel	$ 220,000.00	$ 303,634.00	$ -	$ 83,634.00				$ 303,634.00									$ 303,634.00
	Tuckpointing			*$ (22,800.00)*													$ 22,800.00	$ 22,800.00
	Total	$ 523,000.00		$ 108,866.00			$ -	$ -	$ 303,634.00	$ -	$ -	$ -	$ -	$ 87,700.00	$ -	$ -	$ 22,800.00	$ 414,134.00
		Ties to PFM 2025 Grimes Capital Budget																
	Total Expended					Cash	$ -	$ -	$ 303,634.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	
	Total Expended					Debt	$ -	$ -	$ -	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	

Polk City

Request for Reimbursement For Capital Expenditures

Asset Description	2025 Budget	Reallocated Budget	Remaining Budget	Reallocation	Cash or Debt	January	February	March	April	May	June	July	August	September	October	November	Total
Fiber connection from water plant to tower communication	$ 15,000.00		*$ 15,000.00*		Cash												$ -
Water Treatment Plant Roof	$ 28,000.00		*$ -*		Cash									$ 28,000.00			$ 28,000.00
			$ -														$ -
Total	$ 43,000.00		$ 15,000.00			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 28,000.00	$ -	$ -	$ 28,000.00
	Ties to PFM 2025 Polk City Capital Budget																
Total Expended - Cash					Cash	$ -	$ -	$ -	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	
Total Expended - Debt					Debt	$ -	$ -	$ -	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	

DMWW

Request for Reimbursement For Capital Expenditures

Asset Description	2025 Budget	Reallocated Budget	Remaining Budget	Reallocation	Cash or Debt	January	February	March	April	May	June	July	August	September	October	November	Total
5kv Switch Gear Controls Upgrade	$ 396,483.00		*$ 173,310.73*		Cash	$ 335.80	$ 14,696.66	$ 14,355.01	$ 7,467.75	$ 461.73	$ 586.42	$ 21,324.93	$ 1,139.84	$ 396.91	$ 184.36	$ 162,222.86	$ 223,172.27
CO2 Feed	$ 286,131.00		*$ 284,483.39*		Cash							$ -				$ 1,647.61	$ 1,647.61
ELL Isolation Valve	$ 543,254.00		*$ 543,254.00*		Cash							$ -					$ -
Filter Plant Rehabilitation	$ 1,013,597.00		*$ 807,024.28*		Cash	$ 3,275.07	$ 113,728.10	$ 31,070.27	$ 27,469.60	$ 27,110.17	$ 1,941.10	$ 1,126.51		$ 152.35	$ 494.35	$ 205.20	$ 206,572.72
SCADA Network Improvement	$ 195,058.00		*$ (54,452.67)*		Cash	$ 2,078.46	$ 797.66	$ 8,170.65	$ 26,763.23	$ 19,769.09	$ 83,471.40	$ 55,501.12	$ 15,542.81	$ 9,066.38	$ 12,710.82	$ 15,639.05	$ 249,510.67
Treatment Basin Rechain (ongoing)	$ 680,437.00		*$ 380,367.84*		Cash	$ 53,597.83	$ 6,438.44	$ 26,271.59	$ 125,371.87	$ 136.80	$ 69,255.00	$ 10,516.37	$ 615.60	$ 547.20	$ 5,833.32	$ 1,485.14	$ 300,069.16
Maffitt Reservoir Tunnel & Channel	$ 258,750.00		*$ 258,750.00*		Cash												$ -
McM Rehab Collector Wells	$ 658,022.00		*$ 129,536.86*		Cash	$ 205.20	$ 1,041.06	$ 16,360.69	$ 450,910.66	$ 23,765.83	$ 68.40	$ 29,757.40	$ 68.40		$ 273.60	$ 6,033.90	$ 528,485.14
Expansion of Raw Water - 10 MGD Expansion	$ 2,781,039.00		*$ 2,776,561.87*		Debt	$ 331.34	$ 365.20	$ 545.29	$ 432.42	$ 511.36	$ 105.68	$ 475.56	$ 528.40	$ 576.56	$ 211.36	$ 393.96	$ 4,477.13
RO Membrane Replacement (ongoing)	$ 228,807.00		*$ 78,774.46*		Cash		$ 3,349.32	$ 5,426.50			$ 125.93	$ 251.86	$ 83.95	$ 140,794.98			$ 150,032.54
UF Membrane Replacement	$ 583,565.00		*$ 373,683.96*		Cash	$ 208,458.95				$ 125.93		$ 55.00		$ 251.30	$ 251.85	$ 738.01	$ 209,881.04
Source Water Expansion	$ 39,602.00		*$ 39,602.00*		Cash												$ -
Treatment & Transmission Expansion	$ 284,621.00		*$ 284,621.00*		Cash												$ -
Plant Expansion - 10 MGD Expansion	$ 1,564,614.00		*$ 818,157.29*		Debt	$ 2,454.11	$ 93,765.21	$ 130,455.53	$ 142,177.90	$ 69,294.80	$ 85,180.96	$ 36,972.74	$ 39,496.85	$ 39,356.80	$ 63,543.35	$ 43,758.46	$ 746,456.71
DICO Feeder Main Replacement	$ -		*$ (67,102.45)*		Cash		$ 154.34	$ 77.17	$ 385.85	$ 11,008.14	$ 11,775.94	$ 15,296.52	$ 12,983.69	$ 714.18	$ 14,089.26	$ 617.36	$ 67,102.45
DICO Feeder Main Replacement	$ 3,105,000.00		*$ 3,104,228.30*		Cash	$ 771.70											$ 771.70
Joint Seal 16th & Tuttle - Design	$ -		*$ (1,186.06)*		Cash			$ 77.17	$ 231.51	$ 105.68						$ 771.70	$ 1,186.06
Joint Seal 16th & Tuttle - Construction	$ 517,500.00		*$ 516,381.20*		Cash	$ 1,118.80											$ 1,118.80
16th St 24" Replacement - Tuttle to MLK - Design	$ -		*$ (12,678.31)*		Cash			$ 308.68	$ 1,791.70	$ 4,986.99	$ 1,697.74	$ 1,993.02	$ 771.70	$ 819.80	$ 154.34	$ 154.34	$ 12,678.31
16th St 24" Replacement - Tuttle to MLK - Const			*$ (1,003.21)*											$ 231.51	$ 385.85	$ 385.85	$ 1,003.21
SWTP - West Feeder Main Ph 3 Deseign			*$ (101.57)*											$ 101.57			$ 101.57
SWTP - West Feeder Main Ph 3 Const	$ 3,173,533.00		*$ (2,268,006.91)*		Debt	$ 8,072.82	$ 838,151.87	$ 114,159.79	$ 103,159.90	$ 27,788.14	$ 1,452,257.46	$ 820,451.09	$ 1,286,080.31	$ 551,777.48	$ 220,266.23	$ 19,374.82	$ 5,441,539.91
Tenny to LP Moon Feeder Connection	$ 2,555,943.00		*$ 2,371,604.99*		Cash	$ 1,550.18	$ 8,220.38	$ 12,104.24	$ 17,674.07	$ 9,412.26	$ 7,658.82	$ 4,220.51	$ 68,271.03	$ 47,272.01	$ 3,438.43	$ 4,516.08	$ 184,338.01
FD Center Court Parking Lot	$ 387,215.00		*$ 356,177.33*		Cash	$ 62.50	$ 218.75	$ 31.25	$ 64.38	$ 22,134.06	$ 3,848.63	$ 1,664.82	$ 2,263.76		$ 289.71	$ 459.81	$ 31,037.67
FDT - HVAC	$ 269,959.00		*$ 269,959.00*		Cash												$ -
FDT Control Center Upgrades	$ 155,250.00		*$ 130,769.31*		Cash		$ 1,619.66	$ 7,868.73	$ 7,173.39	$ 6,078.61	$ 98.49		$ 993.03	$ 438.90	$ 41.98	$ 167.90	$ 24,480.69
FDT Levee Gates	$ 139,660.00		*$ 139,492.10*		Cash				$ 167.90								$ 167.90
FDTP - Building Improvements	$ 162,886.00		*$ 162,886.00*		Cash												$ -
MWTP Safety Showers & Tempering	$ 197,019.00		*$ 180,671.20*		Cash		$ 68.40		$ 36.35	$ 410.40	$ 136.80	$ 68.40	$ 615.60	$ 8,274.28	$ 5,349.97	$ 1,387.60	$ 16,347.80
Routine Production Replacements	$ 1,250,000.00		*$ 1,250,000.00*		Cash												$ -
585-875 Fleur Drive Automation	$ -		*$ (15,090.92)*		Cash	$ 10,984.77	$ 1,822.73	$ 1,141.71	$ 1,061.59	$ 80.12							$ 15,090.92
585-884 SWTP Automation	$ -		*$ -*		Cash												$ -
585-075 McMullen Automation	$ -		*$ (20,095.05)*		Cash							$ 111.72	$ 4,954.17	$ 2,311.38	$ 1,670.42	$ 11,047.36	$ 20,095.05
585-102 Fleur Drive Reinvestment	$ -		*$ (313,818.49)*		Cash	$ 24,887.69	$ 11,760.02	$ 51,302.96	$ 155,142.67	$ 1,615.46	$ 429.88	$ 12,741.94	$ 6,308.51	$ 88.64	$ 36,047.77	$ 13,492.95	$ 313,818.49
585-103 McMullen Reinvestment	$ -		*$ (247,213.81)*		Cash	$ 9,749.38	$ 39,633.18	$ 12,776.68	$ 50,296.04	$ 716.93	$ 38,697.87	$ 78,760.00				$ 16,583.73	$ 247,213.81
585-104 SWTP Reinvestment	$ -		*$ (131,169.15)*		Cash	$ 2,550.45	$ 22,510.74		$ 4,162.59	$ 1,312.08	$ 21,279.99	$ 27,572.10	$ 5,075.40	$ 32,038.83	$ 11,657.13	$ 3,009.84	$ 131,169.15
Roof Replace & Repairs	$ 156,750.00		*$ 156,750.00*		Cash												$ -
Facility Upgrades	$ 293,375.00		*$ 292,222.00*		Cash	$ 1,076.16				$ 76.84							$ 1,153.00
FD Basins	$ -	*$ -*	*$ (40,307.04)*		Cash	$ -	$ -						$ 40,307.04				$ 40,307.04
Vehicle & Equipment Replacement	$ 1,000,000.00		*$ 316,722.02*		Cash	$ 20,646.45		$ 53,359.91	$ 54,085.22			$ 43,424.00	$ 313,361.40	$ 198,401.00			$ 683,277.98
Safety Compliance	$ 207,064.00		*$ 207,064.00*		Cash												$ -
Crystal Lake Pump Station	$ -		*$ (3,398.33)*		Cash		$ 400.00	$ 400.00	$ 2,078.72	$ 119.61				$ 400.00			$ 3,398.33
DM River Well Field	$ -		*$ -*		Cash												$ -
Nitrate Removal Expansion	$ -	*$ -*	*$ (1,120.17)*										$ 189.63	$ 167.90	$ 678.69	$ 83.95	$ 1,120.17
FDTP Levee Improvement	$ -		*$ (291,537.77)*		Cash	$ 295.31	$ 20,359.33	$ 38,361.52	$ 38,708.25	$ 16,158.84	$ 25,834.90	$ 31,785.35	$ 9,799.50	$ 44,661.80	$ 45,036.73	$ 20,536.24	$ 291,537.77
FDTP Gallery	$ -		*$ (3,701.47)*		Cash			$ 350.77	$ 68.40	$ 752.40	$ 68.40	$ 478.80	$ 205.20	$ 1,201.22	$ 410.40	$ 165.88	$ 3,701.47
Lime Sludge Filter Press	$ -		*$ (119,305.62)*		Cash	$ 1,889.70	$ 598.34	$ 26,440.23	$ 28,306.17	$ 29,286.99		$ 1,219.68	$ 27,516.31	$ 3,553.85	$ 342.00	$ 152.35	$ 119,305.62
FDTP Ops Storm Water Improvements	$ -		*$ (29.08)*		Cash			$ 29.08									$ 29.08
FTP-Filter Media Replacement	$ -		*$ (357,027.66)*		Cash	$ 6,072.20	$ 2,359.39	$ 57,107.39	$ 124,655.72	$ 16,745.45	$ 42,175.96	$ 107,707.65		$ 203.90			$ 357,027.66
Fluoride Room Improvements	$ -		*$ (8,391.58)*		Cash	$ 154.34			$ 3,300.00		$ 1,042.45	$ 813.62			$ 1,119.98	$ 1,961.19	$ 8,391.58
Isolation Clear Well - Gallery	$ -		*$ (916.83)*		Cash					$ 460.60	$ 133.48	$ 269.87			$ 52.88		$ 916.83
EHL Suction Well - Elevate Grade	$ -		*$ (2,131.94)*		Cash					$ 345.33	$ 133.48	$ 1,653.13					$ 2,131.94
FD Gallery Valves - Ongoing	$ -		*$ (36.35)*		Cash				$ 36.35								$ 36.35
FD VFD High Lift Pumps	$ -		*$ (1,335,649.64)*		Cash	$ 1,450.43	$ 2,841.42	$ 75,776.41	$ 304,567.39	$ 106,595.06	$ 144,641.28	$ 211,390.12	$ 249,018.26	$ 138,484.02	$ 9,637.17	$ 91,248.08	$ 1,335,649.64
FD ELL/EHL Flood Protect	$ -		*$ (2,961.61)*		Cash	$ 132.96	$ 1,185.56			$ 421.71	$ 822.21	$ 266.97			$ 132.20		$ 2,961.61
FD PAC Facility Upgrades	$ -		*$ -*		Cash												$ -
FD WHL Pump Rebuild	$ -		*$ (13,955.72)*		Cash		$ 523.42	$ 6,456.02	$ 1,881.57	$ 1,116.51	$ 109.16					$ 3,869.04	$ 13,955.72
McM Ferric Chloride Expansion	$ -		*$ (76,347.72)*		Cash	$ 62.35	$ 3,617.12	$ 9,749.39	$ 6,714.88	$ 6,765.12	$ 8,886.06	$ 7,738.91	$ 6,522.20	$ 8,534.43	$ 12,673.53	$ 5,083.73	$ 76,347.72
McM Ferric Chloride Line Replace	$ -		*$ (183.93)*		Cash					$ 183.93							$ 183.93
McM PAC System	$ -		*$ (174,732.99)*		Cash	$ 2,444.77	$ 1,376.65	$ 65,233.13	$ 62,116.12	$ 3,523.67	$ 7,346.78	$ 2,188.67	$ 1,558.60	$ 1,503.35	$ 1,413.45	$ 26,027.80	$ 174,732.99
Hickman Feeder	$ -		*$ (1,345.74)*		Cash		$ 191.82	$ 149.02	$ 91.50	$ 66.10	$ 774.07	$ 73.23					$ 1,345.74
McM Treatment	$ -		*$ (24,908.56)*		Cash	$ -	$ -					$ 83.95	$ 2,370.00	$ 5,925.00	$ 7,666.23	$ 8,863.38	$ 24,908.56
Riverbank Protection	$ -		*$ -*		Cash												$ -

FD Safety Showers & Tempering	$ -	*$ (2,749.21)*	Cash		$ 68.40	$ 410.40	$ 229.81	$ 709.90	$ 820.80	$ 383.98			$ 125.92		$ 2,749.21
546-533 FD EHL#1 Closed Loop Cooling	$ -	*$ (7,996.70)*	Cash	$ 882.25	$ 622.65	$ 2,734.30		$ 124.70		$ 707.40	$ 874.63		$ 1,749.27	$ 301.50	$ 7,996.70
546-534 FD Diesel Gen Closed Loop Cool	$ -	*$ (120,070.45)*	Cash	$ 83.95	$ 1,250.93	$ 772.25	$ 38,113.21	$ 565.33	$ 489.55	$ 33,321.38	$ 123.26	$ 6,029.35	$ 35,588.45	$ 3,732.79	$ 120,070.45
546-535 FD Chemical Bldg Elevator	$ -	*$ (8,561.70)*	Cash	$ 154.34			$ 617.36					$ 1,214.80	$ 5,053.04	$ 1,522.16	$ 8,561.70
546-521 DMR Isolation Valve-Parco Sys	$ -	*$ (153,734.15)*	Cash		$ 694.53	$ 1,350.48			$ 694.53	$ 1,773.92	$ 138,458.57	$ 9,430.19	$ 1,062.69	$ 269.24	$ 153,734.15
MTWP Truck Scale	$ -	*$ (184.22)*	Cash			$ 29.08							$ 155.14		$ 184.22
546-604 Pump Station HVAC	$ -	*$ (158,791.67)*	Cash	$ 1,659.66	$ 52,920.47	$ 1,213.20	$ 31,486.95	$ 1,063.64	$ 14,025.58	$ 55,349.43	$ 96.55	$ 347.73	$ 83.95	$ 544.51	$ 158,791.67
546-605 Diesel Pump Fuel Containment		*$ (105.76)*											$ 105.76		$ 105.76
546-606 Lab WaterProof	$ -	*$ (2,478.97)*	Cash	$ 124.70	$ 1,508.21	$ 120.63	$ 137.54	$ 98.25	$ 450.34				$ 39.30		$ 2,478.97
546-614 SCADA-PLC5 Upgrades	$ -	*$ (89,729.62)*	Cash	$ 4,251.56	$ 2,385.17	$ 5,282.13	$ 7,990.56	$ 5,264.84	$ 7,645.82	$ 9,245.25	$ 9,783.13	$ 7,546.57	$ 16,298.62	$ 14,035.97	$ 89,729.62
548-824 Maffitt East Feeder Main Valve	$ -	*$ (3,683.17)*	Cash	$ 205.20	$ 3,038.40			$ 251.87	$ 68.40			$ 119.30			$ 3,683.17
546-634 SCADA Backbone Improvements	$ -	*$ (209,931.68)*	Cash				$ 15,437.11	16,800.92	27,863.13	15,141.46	25,071.32	43,525.38	21,067.24	45,025.12	$ 209,931.68
548-753 DMWW-Polk City Booster Stn	$ -	*$ (47.72)*	Cash				$ 47.72								$ 47.72
555-063 CIWW Wholesale Meters	$ -	*$ (17,190.63)*	Cash				$ 11,689.26	1,748.14						3,753.23	$ 17,190.63
546-531 Tenny Standpipe Painting	$ -	*$ (5,553.08)*	Cash				$ 1,848.07	3,705.01							$ 5,553.08
546-649 Storm Sewer Intake Replacement		*$ (917.31)*											785.62	131.69	$ 917.31
Remote Pumping		*$ (49,681.73)*	Cash					507.00	10,988.73	20,512.48		15,320.80	2,352.72		$ 49,681.73
Remote Storage		*$ (530.00)*	Cash						530.00						$ 530.00
546-647 Fiber Optic Cable (FDTP to Armory)		*$ (10,454.11)*										8,902.04	1,243.39	308.68	$ 10,454.11
FDTP - Building Improvements		*$ (3,699.66)*	Cash						3,588.40	111.26					$ 3,699.66
Total	$ 23,085,134.00	$ 9,967,055.24		$ 372,071.38	$ 1,254,283.53	$ 777,829.25	$ 1,856,149.25	$ 440,282.34	$ 2,077,750.02	$ 1,664,502.12	$ 2,271,048.65	$ 1,330,683.69	$ 541,768.47	$ 531,710.06	$ 13,118,078.76

Ties to PFM
2025 DMWW Capital Budget

Total Expended	Cash	$ 361,213.11	$ 322,001.25	$ 532,668.64	1,610,379.03	319,926.97	497,235.66	770,837.53	944,753.46	670,723.65	231,128.26	418,494.30	
Total Expended	Debt	$ 10,858.27	$ 932,282.28	$ 245,160.61	245,770.22	97,594.30	1,537,544.10	857,899.39	1,326,105.56	591,710.84	284,020.94	63,527.24	
	Billed to CIWW												
	Cash												
	Debt		$ 833,314.31										
	Balance												
	Cash	$ 361,213.11	$ 322,001.25	$ 532,668.64	1,610,379.03	319,926.97	497,235.66	770,837.53	944,753.46	670,723.65	231,128.26	418,494.30	
	Debt	$ 10,858.27	$ 98,967.97	$ 245,160.61	245,770.22	97,594.30	1,537,544.10	857,899.39	1,326,105.56	591,710.84	284,020.94	63,527.24	
Monthly Total		$ 372,071.38	$ 420,969.22	$ 777,829.25	1,856,149.25	417,521.27	2,034,779.76	1,628,736.92	2,270,859.02	1,262,434.49	515,149.20	482,021.54	
YTD		$ 372,071.38	$ 793,040.60	$ 1,570,869.85	3,427,019.10	3,844,540.37	5,879,320.13	7,508,057.05	9,778,916.07	11,041,350.56	11,556,499.76	12,038,521.30	

WDMWW

Request for Reimbursement From CIWW For Capital Expenditures

Asset Description	2025 Budget	Reallocated Budget	Remaining Budget	Reallocation	Cash or Debt	January	February	March	April	May	June	July	August	September	October	November	Total
Replace HSP No. 3/Update Electrical/VFD	$ 450,000.00		*$ 353,073.59*			$ -	$ 91,922.66	$ 5,003.75									$ 96,926.41
Structural Repairs- Bldgs 1,2,3,4,6	$ 200,000.00		*$ 189,660.24*			$ -	$ -									$ 10,339.76	$ 10,339.76
Clearwell, Backwash Tank, and Filter Access Impr	$ 450,000.00		*$ 450,000.00*			$ -	$ -										$ -
98th Street Exterior Cleaning & Inspection	$ 62,000.00		*$ 62,000.00*			$ -	$ -										$ -
SCU1 Drive Repairs & VFD Addition	$ 150,000.00		*$ 150,000.00*			$ -	$ -										$ -
Two Vertical 30-Ton CO2 Tanks (likely no PSF sy	$ 275,000.00		*$ 275,000.00*			$ -	$ -										$ -
Shallow Wells Construction	$ 1,700,000.00		*$ 1,658,017.25*		Debt	$ -	$ -		$ 507.00		$ 20,609.00	$ 6,248.75	$ 5,178.90	$ 2,247.10	$ 6,992.00	$ 200.00	$ 41,982.75
Plant Equipment & Building Upgrades	$ 300,000.00		*$ 300,000.00*			$ -	$ -										$ -
Filters A-E Valve Replacement	$ 230,000.00		*$ 230,000.00*			$ -	$ -										$ -
Security fencing at A.C. Ward Treatment Plant	$ -		*$* -			$ -	$ -										$ -
Total	$ 3,817,000.00		$ 3,667,751.08			$ -	$ 91,922.66	$ 5,003.75	$ 507.00	$ -	$ 20,609.00	$ 6,248.75	$ 5,178.90	$ 2,247.10	$ 6,992.00	$ 10,539.76	$ 149,248.92
	Ties to PFM 2025 WDMWW Capital Budget																
Total Expended					Cash	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Expended					Debt	$ -	$ -	$ -	$ 507.00	$ -	$ 20,609.00	$ 6,248.75	$ 5,178.90	$ 2,247.10	$ 6,992.00	$ 200.00	

CENTRAL IOWA WATER WORKS

BOARD OF TRUSTEES ACTION ITEM FORM

Meeting Date: December 17, 2025

ITEM NUMBER: 7A

SUBJECT: Motion – Approve Central Iowa Water Works 2026 Board of Trustees Meeting Schedule

SUMMARY:

The Central Iowa Water Works Board of Trustees meeting dates are scheduled on the fourth Wednesday of each month except for the months of November and December, where they are moved forward one week due to the holidays.

FINANCIAL IMPACT:

None.

RECOMMENDED ACTION BY THE BOARD OF TRUSTEES:

Motion – Approve Central Iowa Water Works 2026 Board of Trustees Meeting Schedule

Prepared by: Tami Madsen

CENTRAL IOWA WATER WORKS

2026 CIWW Board of Trustees Meeting Dates

All meetings begin at 3:00 p.m. unless otherwise stated.

January 28, 2026

February 25, 2026

March 25, 2026

April 22, 2026

May 27, 2026

June 24, 2026

July 22, 2026

August 26, 2026

September 23, 2026

October 28, 2026

November 18, 2026

December 16, 2026

CENTRAL IOWA WATER WORKS

BOARD OF TRUSTEES ACTION ITEM FORM

Meeting Date: December 17, 2025

ITEM NUMBER: 7B

SUBJECT: Recognition of the Appointment and Reappointment of Trustees with Terms Ending in 2025

SUMMARY:

Central Iowa Water Works Board of Trustees is divided into equal sized classes with staggered terms where one class of terms expires at the end of each year. The Member Agencies whose terms expire must appoint or reappoint their Trustee and Alternate. The following Member Agencies terms ended in 2025: Ankeny, Clive, Norwalk, and Polk City. Below are the appointed and reappointed Trustees for those Member Agencies

Agency	Trustee	Alternate
Ankeny	Mike Schrock – unconfirmed	Jeff Perry - unconfirmed
Clive	Mayor John Edwards	Pete De Kock
Norwalk	George Meinecke	Mayor Tom Phillips
Polk City	Nick Otis	Chelsea Huisman

FINANCIAL IMPACT:

None.

RECOMMENDED ACTION BY THE BOARD OF TRUSTEES:

No action required.

Prepared by: Tami Madsen

CENTRAL IOWA WATER WORKS

BOARD OF TRUSTEES ACTION ITEM FORM

Meeting Date: December 17, 2025

ITEM NUMBER: 7C

SUBJECT: Committee Appointments

SUMMARY:

The 28E requires the Nominating Committee to select and offer nominations for each office at the Board's Annual Meeting. The Nominating Committee Report is attached.

FINANCIAL IMPACT:

None.

RECOMMENDED ACTION BY THE BOARD OF TRUSTEES:

None.

Prepared by: Tami Madsen

DATE: December 17, 2025

TO: Central Iowa Water Works Board of Trustees

FROM: Nominating Committee

SUBJECT: Recommendations - 2026 Officers and Committees

Following appointment, by the Board Chair at the September 24, 2025 Board meeting the Nominating Committee (Tom Cope, Johnston, Sue Huppert - Des Moines Water Works, and Jake Anderson, Grimes) present this report to the Central Iowa Water Works (CIWW) Board of Trustees:

Board Officers: At the April 24, 2024 (initial) Board meeting the following individuals were elected for terms expiring December 31, 2026:

Jody Smith, West Des Moines Water Works
Chair

John Edwards, Clive[1]
Vice-Chair

Diane Munns, Des Moines Water Works
Secretary

Pursuant to Article X, Section 1 of the CIWW 28E/28F Agreement an **Executive Committee** is appointed by action of the Board each year at the Annual Meeting. The Nominating Committee is recommending the 2026 Executive Committee be comprised of:

Jody Smith (Committee Chair) - West Des Moines Water Works

John Edwards - Clive

[1] At the January 22, 2025 CIWW Board meeting John Edwards was elected to replace David Jones as Vice-Chair for the remainder of the term (December 31, 2026)

Diane Munns - Des Moines Water Works

John McCune - Urbandale Water Utility

Courtney Clarke - Waukee

Pursuant to Article X, Section 3 of the CIWW 28E/28F Agreement a **Finance & Audit Committee** is appointed by the Board Chair at the Annual Meeting. The Nominating Committee is recommending, and the Board Chair concurs, the 2026 Finance & Audit Committee be comprised of:

Scott Brennan - West Des Moines Water Works

Tom Cope - Johnston

Carol Freeman - Warren Water

Sue Huppert - Des Moines Water Works

John McCune - Urbandale Water Utility

George Meinecke - Norwalk

CENTRAL IOWA WATER WORKS

BOARD OF TRUSTEES ACTION ITEM FORM

Meeting Date: December 17, 2025

ITEM NUMBER: 8A

SUBJECT: Motion – Award Task Order Number 1 to Black & Veatch for the Grimes Water Supply & Water Treatment Plant Expansion

SUMMARY:

For your review and consideration is the Black and Veatch Task Order No. 1 – Evaluations & Preliminary Engineering Report for the Grimes Water Supply & Water Treatment Plant Expansion project.

This task order is being presented to complete an evaluation of the existing Grimes Water Treatment Plants (WTP) and an evaluation of the Jordan Aquifer as the preferred source water for the WTP expansion. Task Order No. 1 authorizes the engineering consultant to evaluate the condition and capacity of existing WTP infrastructure and to prepare a Preliminary Engineering Report (PER) outlining recommended improvements, expansion alternatives, and associated cost estimates. Approval of this task order along with Item 8B will initiate a coordinated and transparent approach to evaluating existing facilities and planning for future treatment capacity needs. Subsequent task orders will be presented at later dates to authorize design and construction phase services associated with the recommended improvements.

Based on the HDR report dated November 2024, the following is a summary of the estimated project costs related to the current CIP:

Water Treatment Plant Expansion

Engineering (preliminary & final design and construction phase services) - $4,329,000

Construction - $21,645,000

Jordan Wells & Raw Water Main

Engineering (preliminary & final design and construction phase services) - $2,339,333

Construction - $11,696,667

Estimated Total Project Cost

Engineering (preliminary & final design and construction phase services) - $6,668,333

Construction - $33,341,667

Total Project Cost = $40,010,000

There are two items of note related to the project cost included in the HDR report:

The total project cost was based on November 2024 dollars. Consequently, the current estimated project cost would be approx. 2.3% higher.

The total project cost includes the engineering cost for preliminary & final design and construction phase services. However, it is not clear whether it includes the specific evaluations to be performed in Task Order No. 1. The evaluations were not identified explicitly in the HDR report.

FINANCIAL IMPACT:

Black and Veatch – The level of effort to perform Task Order No. 1 – Evaluations & Preliminary Engineering Report is $579,810.

Based on the HDR report, the total cost for engineering services is $6,668,333, which is approximately 16.67% of the estimated total project cost. Consequently, Black & Veatches' level of effort to perform Task Order No. 1 – Evaluations and Preliminary Engineering Report services equates to approximately 1.45% of the estimated total project cost. The level of effort to perform Task Order No. 2025-2 – Owner's Representative services for AE2S equates to approximately 0.37% of the estimated total project cost, which includes additional services within that percentage.

Please also note the level of effort is for the duration of 16 months for both Task Orders as referenced by the included Black and Veatch projected schedule.

RECOMMENDED ACTION BY THE BOARD OF TRUSTEES:

The Technical Committee unanimously voted to recommend this task order to the Board of Trustees for approval at the December meeting.

Award Task Order Number 1 to Black & Veatch for the Grimes Water Supply & Water Treatment Plant Expansion

Prepared by: Dana Madsen

TASK ORDER NO. 1
TO
AGREEMENT BETWEEN OWNER AND ENGINEER FOR PROFESSIONAL SERVICES

Owner: Central Iowa Water Works
Project: City of Grimes Water Supply & Water Treatment Plant Expansion

This is a Task Order (Task Order No. 1) to the Agreement between Central Iowa Water Works, a political subdivision created under Chapter 28E and Chapter 28F, Code of Iowa (Owner) and Black & Veatch Corporation (Engineer) with an effective date of December _____, 2025.

Engineer agrees to perform certain engineering services in connection with the City of Grimes Water Supply & Water Treatment Plant Expansion project. The engineering services for this Task Order No. 1 – Evaluations & Preliminary Engineering Report are as follows:

A. Project Management & Administration

1. Conduct project management and administration services required to successfully complete the services provided within Task Order No. 1 including consultations with regulatory agencies and regular communications with Central Iowa Water Works (CIWW), CIWW's Program Manager, and project stakeholders; supervision and coordination of services; management and oversight of subconsultants; the development and implementation of a project work plan; the development and execution of a quality control/quality assurance plan; and the preparation of monthly invoices, project status reports and supporting documentation.

2. Conduct a project initiation meeting to clarify Central Iowa Water Works' requirements for the project; review available data and project organization and staffing; and present the initial work plan and schedule.

3. Conduct monthly project meetings with Central Iowa Water Works to review progress and to exchange ideas and information. Prepare and distribute notes for these meetings.

4. Conduct project specific meetings/workshops with Central Iowa Water Works to discuss the results, conclusions and recommendations for the evaluations identified herein. The project specific meetings/workshops are identified herein.

B. Raw Water Supply Evaluation

Purpose: An increase in the raw water supply capacity to the water treatment plant will be from the construction of additional Jordan wells. The purpose of this evaluation will be to implement groundwater modeling to identify the number and optimum location for additional Jordan wells. There are two separate Jordan aquifer models that have been developed within the vicinity of the Grimes Water Treatment Plant. One model was prepared by a consultant retained by the City of Grimes and one model was prepared by the Iowa Department of Natural Resources (IDNR). Based on a Peer Review of the two models and consultations with IDNR, a groundwater model will be selected for implementing the evaluations.

1. Perform a Peer Review of two Jordan Aquifer groundwater models. The Peer Review will include a comparison of the model assumptions, model limits, and the granularity of the aquifer characteristics within the model. Consultant will request the groundwater model developed by the Iowa Department of Natural Resources (IDNR). Central Iowa Water Works will request the groundwater model and the calibration analysis from the consultant who prepared the groundwater model for the City of Grimes. Conduct consultations with IDNR to discuss their development and calibration of their groundwater model. Based on the Peer Review and consultations with IDNR, recommend the groundwater model that should be used for the evaluation and ensure consensus with Central Iowa Water Works.

2. Perform groundwater modeling of the Jordan Aquifer to evaluate the number and optimum location for wells considering yield, proximity to existing wells (interference), and land use/acquisition considerations.

3. Prepare and submit a draft technical memorandum that summarizes the evaluation results, conclusions and recommendations regarding the optimum well locations and yield.

4. Conduct a meeting to review the draft technical memorandum, obtain comments and address any questions that arise.

5. Revise the technical memorandum to address comments and transmit the technical memorandum to IDNR for review. Conduct a meeting with Central Iowa Water Works and IDNR to review the technical memorandum and address comments and any questions that arise.

6. Prepare and submit a final technical memorandum to Central Iowa Water Works.

7. Prepare and submit a Water Use Permit application to IDNR.

C. Raw Water Main Alignment Evaluation

1. Identify alternative raw water main routes (alignments) from the proposed Jordan wells to the water treatment plant.

    a. Gather available topographic, property, and utility maps for the corridor to determine potential alternative alignments for consideration.

    b. Conduct a field surface reconnaissance survey to review the potential alignment alternatives to determine if there are additional considerations not apparent from the available records.

2. Evaluate the alternative raw water main routes (alignments).

    a. Summarize advantages and disadvantages of each alternative alignment, considering available geotechnical information, urban development service requirements, construction difficulties, environmental factors, and the conceptual opinion of probable project costs (Class 5).

    b. Based on the evaluation criteria and the level of importance (weighting factors) assigned to each criteria, rate and rank the alternative raw water main routes.

    c. Prepare a draft technical memorandum to present the alternative routes (alignments), the evaluation criteria, the ratings and rankings of the alternative alignments and the recommended alignment.

    d. Conduct a meeting with Central Iowa Water Works to review the draft technical memorandum and address any questions that arise.

    e. Prepare and transmit a final technical memorandum to Central Iowa Water Works that addresses all comments received.

D. Raw Water Main Hydraulic Restriction Evaluation

Purpose: There is a hydraulic restriction within the existing Jordan well piping and valve network. Consequently, when the 2nd Jordan well is placed in service, the raw water conveyance rate to the water treatment plant is adversely impacted. The assessment will identify the hydraulic restriction and identify alternatives to mitigate the hydraulic restriction and increase the raw water supply to the water treatment plant.

1. Review existing Jordan well, raw water pipeline and water treatment plant drawings, equipment (pumping unit) shop drawings and operating records.

2. Develop a hydraulic model (Excel based model) to evaluate the hydraulic profile from the Jordan wells to the water treatment plant.

3. At varying raw water flow rates, measure and record the raw water main system pressure at each Jordan well and at the water treatment plant. Based on the field pressure measurements, calibrate the hydraulic model.

4. Use the calibrated hydraulic model to develop a hydraulic profile at varying flow rates from the Jordan wells to the water treatment plant. The hydraulic profile will be used to identify the hydraulic restrictions.

5. Identify and evaluate capital improvements to address the hydraulic restrictions.

6. Prepare and submit a draft technical memorandum that summarizes the evaluation results, conclusions and recommendations to mitigate the hydraulic restrictions within the raw water mains.

7. Conduct a meeting to review the draft technical memorandum, obtain comments and address any questions that arise.

8. Revise and submit a final draft technical memorandum that addresses all comments and questions.

E. Precipitative Lime Softening Plant Production Capacity Increase Evaluation

Purpose: To optimize the production capacity of the water treatment plant, their may be an opportunity to increase (up-rate) the capacity of the precipitative lime softening plant. The existing yield of the alluvial well is approximately equal to the capacity of the precipitative lime softening plant and, therefore, either an additional shallow alluvial well would need to be constructed along Beaver Creek or the increase in the capacity from the proposed Jordan wells would be required to supply the precipitative lime softening plant.

1. Review existing facility drawings, equipment shop drawings and operating records for the precipitative lime softening plant.

2. Develop a hydraulic model (Excel based model) to evaluate the hydraulic grade line (water surface elevation within all unit processes) for the precipitative lime softening plant.

3. At varying water treatment plant production rates, measure and record the actual water surface elevation within each unit process. Based on the field measurements, calibrate the hydraulic model.

4. Use the calibrated hydraulic model to develop a hydraulic profile at the plant minimum, average and maximum hydraulic capacity.

5. Use the calibrated model to identify the hydraulic restrictions at incremental flow rates above the maximum hydraulic capacity.

6. Identify the maximum allowable production rate based on compliance with Ten States Standards and AWWA design guidelines for all unit processes.

7. Identify capital improvements to the existing lime softening plant to address the hydraulic restrictions and treatment limitations related to compliance with the Ten States Standards and AWWA design guidelines. Develop a conceptual opinion of probable project cost (Class 5) for implementing the improvements. If the Jordan well supply is deemed inadequate for the RO plant expansion and an expansion of the shallow alluvial well supply is evaluated, a Facility Plan will be developed as a supplemental service for expansion of the lime softening plant including aerators, solid contact basins and filters.

8. Review the residual waste stream operating practices (residuals blowdown from the solids contact basin and filter backwash frequency and duration) to assess opportunities to minimize the waste stream volumes and subsequently increase the plant production rate.

9. Prepare and submit a draft technical memorandum that summarizes the evaluation results, conclusions and recommendations to up-rate the capacity of the precipitative lime softening plant.

10. Conduct a meeting to review the draft technical memorandum, obtain comments and address any questions that arise.

11. Revise and submit a final draft technical memorandum that addresses all comments and questions.

F. Precipitative Lime Softening Plant Production Range Assessment

Purpose: Due to flow range limitations on the precipitative lime softening plant and reduced system demands in the evening, the water treatment plant is not

operated on a continuous basis. The limitations on the precipitative lime softening plant production range may be attributed to the inability to automate/regulate the raw water supply from the shallow alluvial wells or equipment limitations (metering pump and lime slaker turn-down ratios). Identifying and addressing these limitations would enhance operational flexibility, optimize the lime softening plant and reverse osmosis plant blends from a water quality stability perspective (water stability) and allow for continuous operation which will minimize the potential for water quality upsets during start-up of the precipitative lime softening plant.

1. Review existing facility drawings, shop drawings and conduct a site visit to observe and inspect equipment to identify minimum production rate limitations for the precipitative lime softening plant.

2. Identify and assess capital improvements to increase the allowable range in the precipitative lime softening plant production rate.

3. Prepare and submit a draft technical memorandum that summarizes the limitations on the allowable range in the precipitative lime softening plant production rate.

4. Conduct a meeting to review the draft technical memorandum, obtain comments and address any questions that arise.

5. Revise and submit a final draft technical memorandum that addresses all comments and questions.

G. Primary Disinfection Evaluation

Purpose: Primary disinfection is accomplished in the chlorine contact basin. Primary disinfection is a function of the disinfectant (chlorine) residual, water temperature, and detention time. With the proposed increase in the water treatment plant production rate, this evaluation will assess whether primary disinfection can be met within the existing chlorine contact basin at higher flow rates.

1. Calculate primary disinfection (CT) within the existing chlorine contact basins at varying water treatment plant production rates during cold water conditions. The calculations will be based on the baffle factor approved by the Iowa Department of Natural Resources (IDNR).

2. Prepare and submit a draft Technical Memorandum that summarizes the results, conclusions and recommendations of the primary disinfection evaluation. If primary disinfection will not be met at higher water treatment plant production rates, the identification and evaluation of

alternatives may be conducted as a supplemental service in a future task order.

3. Conduct a meeting to review the draft technical memorandum, obtain comments and address any questions that arise.

4. Revise and submit a final draft technical memorandum that addresses all comments and questions.

H. Blended Finished Water Quality Stability Evaluation

Purpose: The expansion of the Grimes WTP will result in varying blends of water treated by precipitative lime softening and reverse osmosis membranes. The variation in the blends will result in changes to the finished water quality characteristics. This evaluation will evaluate changes to the water quality characteristics from a water quality stability perspective. The treated water quality stability assessment tasks will include the following:

1. Prepare a finished water quality data request. The data will include finished water from the precipitative lime softening plant and the reverse osmosis water plant. The water quality data will include, but not be limited to, pH, alkalinity, total organic carbon, dissolved inorganic carbon, calcium, magnesium, total dissolved solids, chloride, sulfate, disinfectant (chlorine) concentrations and information on the applied corrosion inhibitors.

2. Perform desk-top water quality modeling using Water!Pro Software Version 5.91 to determine common corrosion indices to determine the solubilities of lead and copper. The water quality modeling will assess corrosion indices at varying blends (3 blending scenarios) of finished water from the precipitative lime softening plant and the reverse osmosis membrane plant. Corrosion indices will include calcium carbonate precipitation potential (CCPP), chloride-to-sulfate mass ratio (CSMR), the Langelier Saturation Index (LSI) and Larson's Ratio (LR).

3. Prepare and submit a draft Technical Memorandum that summarizes the desk-top water quality modeling results, conclusions and recommendations.

4. Conduct a meeting to review the draft technical memorandum, obtain comments and address any questions that arise.

5. Revise and submit a final draft technical memorandum that addresses all comments and questions.

I. High-Recovery RO System Evaluation

Purpose: A high-recovery reverse osmosis system may provide an opportunity to reduce the volume of reverse osmosis concentrate produced and maximize water recovery, minimizing reliance on scarce groundwater supplies. A desk-top evaluation will be performed to assess the viability, conceptual opinion of probable project cost and the anticipated increase in production capacity resulting from the higher recovery rate.

1. Prepare a raw water (Jordan wells) and finished water (RO train) quality data request.

2. Perform a desk-top assessment for two alternative approaches for integrating a high-recovery RO system into the Grimes WTP. The alternative approaches will include 1) Use of high-recovery RO system for the two new RO racks and 2) Use of high-recovery RO system for treating the concentrate from the existing and two new RO racks (new RO racks would be equipped with previously piloted modules). The desk-top assessment will be based on the performance of pilot and full-scale operations of the high-recovery RO system while considering the impacts of raw and finished water quality variations on performance parameters. Pilot testing for high-recovery RO systems will be considered a supplemental service.

3. Evaluate the RO concentrate (waste stream) water quality characteristics. Obtain and review the waste stream discharge permit from the Des Moines Water Reclamation Authority to assess compliance based on the changes in the waste stream quality characteristics.

4. Obtain budgetary quotations for the high-recovery RO system from the manufacturers.

5. Develop a conceptual opinion of probable project cost and long-term operating costs (power, chemicals, waste stream disposal to Des Moines WRA & maintenance) for the high-recovery RO system.

6. Perform a benefit-cost analysis for the high-recovery RO system. In particular, the 20-year life cycle cost for the high-recovery RO system will be established and compared to the 20-year life cycle cost for a conventional RO system considering the capital and operating cost associated with increasing the raw water supply to achieve the same finished water production rate.

7. Prepare and submit a draft Technical Memorandum that summarizes the results, conclusions and recommendations.

8. Conduct a meeting to review the draft technical memorandum, obtain comments and address any questions that arise.

9. Revise and submit a final draft technical memorandum that addresses all comments and questions.

J. Water Treatment Ancillary Systems Evaluation

Purpose: The expansion of the RO treatment process may require other capital improvements including but not limited to the RO feed pumping units, cartridge filters, high service pumping units, chemical storage and metering pumps and electrical systems. The purpose of this evaluation is to identify all capital improvements required to increase the plant production capacity and enhance system resiliency.

1. Prepare a data request for as-built facility drawings and equipment shop drawings.

2. Conduct a multi-discipline (mechanical process, electrical and I&C) inspection to observe and record the information necessary to conduct the evaluation.

3. Meet with the water treatment plant operations and maintenance staff to discuss system performance and opportunities to enhance system resiliency.

4. Prepare and submit a draft Technical Memorandum that identifies the recommended ancillary system capital improvements.

5. Conduct a meeting to review the draft technical memorandum, obtain comments and address any questions that arise.

6. Revise and submit a final draft technical memorandum that addresses all comments and questions.

K. Preliminary Engineering Report

1. Prepare a Preliminary Engineering Report for the proposed water supply and water treatment plant expansion capital improvements in compliance with the Iowa Department of Natural Resources (IDNR) requirements.

The Preliminary Engineering Report will include the following items:

<u>General Information</u>

- Project Background & Description of Existing Facilities
- Identification of Area Served

Justification of Project

- Identification & Assessment of Alternatives

Geotechnical Conditions

- Summary of Available Geotechnical Information

Water Use Data

- Description of Population Trends
- Water Demand Projections
- Present and Future Yield of Supply Sources

Sources of Water Supply

- Available Hydrogeologic Data
- Well Site Identification and Assessment (Groundwater Modeling)
- General Design and Construction Information

Proposed Treatment Process

- Summary of Unit Treatment Processes
- Unit Treatment Process Design Parameters

Treated Water Storage

- Existing Treated Water Plan Storage
- Proposed Expansion of Finished Water Plant Storage

Waste Disposal

- Identification of WTP waste streams (rates, volumes & characteristics)

- Summary of waste stream handling facilities

Raw Water Main

- General Water Main Alignment

- Water Main Diameter

- Overview of Water Main Design Parameters

Financing

- Conceptual Opinion of Probable Project Cost

- Estimated annual cost of operation

- Proposed methods for financing capital & operating expenses

2. Submit the draft Preliminary Engineering Report (PER) to Central Iowa Water Works for review. Conduct a meeting with Central Iowa Water Works to obtain and discuss comments and questions. Revise the Preliminary Engineering Report to address the comments received at the review meeting.

3. Submit the Preliminary Engineering Report to the Iowa Department of Natural Resources (IDNR) for review. Conduct a conference call with the IDNR to discuss the Preliminary Engineering Report. Revise the Preliminary Engineering Report to address IDNR's comments. Submit the final Preliminary Engineering Report to Central Iowa Water Works.

L. State Revolving Loan Fund (SRF) Intended Use Plan Application Assistance

1. Prepare a draft SRF application and supporting documentation for review by Central Iowa Water Works. Central Iowa Water Works will prepare the Self-Assessment for Technical, Managerial & Financial Capabilities.

2. Conduct a meeting to review the application and supporting documentation and address any questions that arise.

3. Update the SRF application and supporting documentation to address the comments and questions received.

4. Submit the final SRF application and supporting documentation to the Central Iowa Water Works for signature and transmittal to the Iowa Department of Natural Resources (INDR) along with the application fee.

5. Conduct a meeting with the IDNR to review and the application and supporting documentation and address any questions that arise.

M. RO Membrane Module Procurement (Existing RO Racks)

Purpose: The existing RO skids are designed to accommodate additional RO modules allowing for an approximate 12% increase on production capacity (1.58 mgd to 1.8 mgd). Pending approval of the Preliminary Engineering Report by IDNR and inclusion of the project on the Intended Use Plan, the RO modules will be procured and installed resulting in an increase in the plant production capacity. From a system performance perspective, it is recommended that the additional RO modules installed on each rack are provided by the same manufacturer of the currently installed modules.

1. Conduct a meeting with the IDNR to discuss the rational for sole sourcing the RO modules, the approach to ensure competitive pricing and to ensure SRF funds will be allocated for the RO module procurement.

2. Prepare draft RO module and ancillary appurtenances procurement documents. It is assumed that RO modules will be installed by the City or their Contract Operator.

3. Conduct a meeting with CIWW to review the RO module and ancillary appurtenances procurement documents and address any questions that arise.

4. Develop final RO module procurement documents based on the comments received from CIWW.

5. Transmit the RO module procurement documents to the RO module supplier and request a firm price proposal. Following receipt of the proposal conduct a technical and financial review. Conduct a meeting with the RO module supplier to discuss comments and questions and negotiate the final price.

6. Obtain and review shop drawings for the RO modules and ancillary appurtenances to ensure compliance with the procurement documents.

7. Conduct an inspection of the RO modules following installation and assess the performance of the RO system.

8. Prepare a letter report documenting the RO system inspection and performance.

9. Submit the letter report to CIWW and conduct a meeting to address any comments or questions.

The services will commence upon receipt the executed Task Order No. 1 and the information requested in the Data Request Memorandums. The anticipated duration to complete the services is 16 months.

Engineer will retain the services of HR Green, Inc. to perform Task E – Precipitative Lime Softening Plant Production Capacity Increase Evaluation and Task F – Precipitative Lime Softening Plant Production Range Assessment.

The cost for engineering services shall be in compliance with the Agreement, Article 4 – Invoices and Payments. In particular, the Owner shall pay Engineer an amount equal to the cumulative hours charged by each class of Engineer's employees times the Standard Hourly Rates for each applicable billing class. The Engineer shall be entitled to reimbursement from Owner for the expenses identified in Paragraph 4.05 and Appendix 1 – Reimbursable Expense Schedule of the Agreement. The maximum not to exceed fee to perform the services in this Task Order No. 1 is $579,810.

IN WITNESS WHEREOF, the parties hereto have executed this Task Order No. 1, with an effective date of December _____, 2025.

Owner:	Engineer:
By: _____	By: _____
Date: _____	Date: _____
Name: Tami Madsen	Name: _____
Title: Executive Director	Title: _____

CENTRAL IOWA WATER WORKS

BOARD OF TRUSTEES ACTION ITEM FORM

Meeting Date: December 17, 2025

ITEM NUMBER: 8B

SUBJECT: Motion – Award Task Order Number 2025-2 to Advanced Engineering and Environmental Services for Owner's Representative Services for the Grimes Water Supply & Water Treatment Plant Expansion

SUMMARY:

For your review and consideration is AE2S Task Order No. 2025-2 – Owner's Representative Services and which includes additional identified support tasks.

This task order is being presented to complete an evaluation of the existing Grimes Water Treatment Plants (WTP) and an evaluation of the Jordan Aquifer as the preferred source water for the WTP expansion. Task Order 2025-2, Owner's Representative Task Order authorizes consultant oversight services to ensure coordination between the engineering consultant and Central Iowa Water Works staff, maintain consistency with program objectives, and provide technical review and guidance throughout the PER development process. Approval of Items 8A and 8B together will initiate a coordinated and transparent approach to evaluating existing facilities and planning for future treatment capacity needs. Subsequent task orders will be presented at later dates to authorize design and construction phase services associated with the recommended improvements.

Based on the HDR report dated November 2024, the following is a summary of the estimated project costs related to the current CIP:

Water Treatment Plant Expansion

Engineering (preliminary & final design and construction phase services) - $4,329,000

Construction - $21,645,000

Jordan Wells & Raw Water Main

Engineering (preliminary & final design and construction phase services) - $2,339,333

Construction - $11,696,667

Estimated Total Project Cost

Engineering (preliminary & final design and construction phase services) - $6,668,333

Construction - $33,341,667

Total Project Cost = $40,010,000

There are two items of note related to the project cost included in the HDR report:

The total project cost was based on November 2024 dollars. Consequently, the current estimated project cost would be approx. 2.3% higher.

FINANCIAL IMPACT:

The level of effort to perform Task Order No. 2025-2 is $146,400.

Of the $146,400, $99,500 is aligned with the Black and Veatch Task Order No. 1 scope of services to serve as the Owner's Rep for the first 16 months of the project. $9,000 for public outreach concerning the project (videography and communications services), $24,000 for the Urbandale interconnect evaluation, and $13,900 for the solids handling and RO concentrate disposal review.

Based on the HDR report, the total cost for engineering services is $6,668,333, which is approximately 16.67% of the estimated total project cost. Consequently, Black & Veatches' level of effort to perform Task Order No. 1 – Evaluations and Preliminary Engineering Report services (Item 8A) equates to approximately 1.45% of the estimated total project cost. The level of effort to perform Task Order No. 2025-2 – Owner's Representative services for AE2S equates to approximately 0.37% of the estimated total project cost, which includes additional services within that percentage.

Please also note the level of effort is for the duration of 16 months for both Task Orders as referenced by the included Black and Veatch projected schedule.

RECOMMENDED ACTION BY THE BOARD OF TRUSTEES:

This task order was voted on by the Technical Committee at the December meeting and was recommended to the board of trustees for approval.

Award Task Order Number 2025-2 to Advanced Engineering and Environmental Services for Owner's Representative Services for the Grimes Water Supply & Water Treatment Plant Expansion

Prepared by: Sami Madsen

TASK ORDER NO. 2025-2

In accordance with Paragraph 1.01 of the Agreement Between Owner and Engineer for Professional Services—Task Order Edition dated June 25, 2025, Owner and Engineer agree as follows:

1. TASK ORDER DATA

a.	Effective Date of Task Order:	November 26, 2025
b.	Owner:	Central Iowa Water Works
c.	Engineer:	Advanced Engineering and Environmental Services, LLC
d.	Specific Project (title)	Grimes Water Treatment Plant Expansion – Owner's Rep Services
e.	Specific Project (description):	Provide assistance to Owner for the development of the first task order scope and fee with the selected Consultant for the Grimes WTP Expansion Project. Owner's Representative provided in parallel with selected Consultant's scope.
f.	Related Task Orders	N/A

2. BASELINE INFORMATION

Baseline Information. Owner has furnished the following Specific Project information to Engineer as of the Effective Date of the Task Order. Engineer's scope of services has been developed based on this information. As the Specific Project moves forward, some of the information may change or be refined, and additional information will become known, resulting in the possible need to change, refine, or supplement the scope of services.

Specific Project Title: Grimes Water Treatment Plant (WTP) Expansion

3. SERVICES OF ENGINEER ("SCOPE")

A. The specific Basic Services to be provided or furnished by Engineer under this Task Order as follows:

- the services (and related terms and conditions) set forth in the following sections of Exhibit A, as attached to the Agreement referred to above.
- Review preliminary project goals, objectives, and constraints with Owner.
- Review selected Consultant's project understanding and approach.
- Establish clear roles, responsibilities, and communication protocols between all parties.
- Provide support for the initial project scoping workshop to develop scope and fee for task order development with the selected Owner's Consultant.
- Review of the scope and fee as submitted by the selected Owner's Consultant.

- Assist Owner and Consultant with a preliminary project schedule to ensure the scope is sufficient for future milestone tracking.

- Support Owner in negotiating and finalizing the Consultant's task order scope.

- Scope of Services further defined in Attachment No. 1 and Attachment No. 2, incorporated herein by reference.

B. All of the services included above comprise basic services for purposes of Engineer's compensation under this Task Order, with the exception of Resident Project Representative Services, if any, which are compensated separately.

C. Additional Services: Services not expressly set forth as Basic Services in Paragraph 3.A above, and necessary services listed as not requiring Owner's written authorization, or requiring additional effort in an immediate, expeditious, or accelerated manner as a result of unanticipated construction events or Specific Project conditions, are Additional Services, and will be compensated by the method indicated for Additional Services in this Task Order. All other Additional Services require mutual agreement and may be authorized by amending the Task Order as set forth in Paragraph 8.05.B.2 of the Agreement, with compensation for such other Additional Services as set forth in the amending instrument.

4. ADDITIONS TO OWNER'S RESPONSIBILITIES

A. Owner shall have those responsibilities set forth in Article 2 of the Agreement, and the following supplemental responsibilities that are specific to this Task Order: None

5. TASK ORDER SCHEDULE

A. In addition to any schedule provisions provided above or elsewhere, the parties shall meet the following schedule:

Date	Action / Milestone	Comment
November 1, 2025	Finalized Task Order No. 1	Dependent on Selected Consultant's Responsiveness
March 31, 2027	Owner's Rep Services for Evaluations and PER Support	Projected Completion Date of TO #1 by Selected Consultant

6. ENGINEER'S COMPENSATION

A. The terms of payment are set forth in Article 4 of the Agreement.

B. Owner shall pay Engineer for services rendered under this Task Order as follows:

Description of Service	Amount	Basis of Compensation
1. Basic Services	**$146,400.00**	
A. Owner's Representative Scope of Services (Attachment No. 1)	$99,500.00	Hourly
B. Additional Requested Scope of Services (Attachment No. 2)	$46,900.00	Hourly
a. Public Outreach/Videography Support	$9,000.00	
b. Urbandale Interconnection Evaluation	$24,000.00	
c. Solids Handling and RO Concentrate Disposal Review	$13,900.00	
2. Resident Project Representative Services*	**N/A**	**N/A**
TOTAL COMPENSATION (items 1 and 2)	**$146,400.00**	
3. Additional Services under Section 3.C above	(N/A)	

C. Compensation items and totals based in whole or in part on Hourly Rates or Direct Labor are estimates only. Lump sum amounts and estimated totals included in the breakdown by phases incorporate Engineer's labor, overhead, profit, reimbursable expenses (if any), and Subconsultants' charges, if any. Engineer may alter the distribution of compensation between individual phases (line items) to be consistent with services actually rendered.

7. ENGINEER'S PRIMARY SUBCONSULTANTS FOR TASK ORDER, AS OF THE EFFECTIVE DATE OF THE TASK ORDER: NONE

8. ATTACHMENTS:

A. Attachment No. 1 – Owner's Representative Scope of Services

B. Attachment No. 2 – Additional Requested Scope of Services

9. DOCUMENTS ENGINEER RELIED UPON THE DEVELOPMENT OF TASK ORDER

A. Black & Veatch – Evaluations and Preliminary Engineering – Scope of Services Outline

B. Black & Veatch – Project Schedule

Execution of this Task Order by Owner and Engineer makes it subject to the terms and conditions of the Agreement and its exhibits and appendices, which Agreement, exhibits, and appendices are incorporated by this reference.

OWNER:

Central Iowa Water Works

By:

Date:
Name:
Title:

Address for giving notices:
Central Iowa Water Works
4601 Westown Parkway
Suite 122
West Des Moines, IA 50266

Designated Representative:
Name: Tami Madsen
Title: Executive Director

Address:
4601 Westown Parkway
Suite 122
West Des Moines, IA 50266

Phone: (515) 323-6224
Email: tmadsen@ciww.gov

ENGINEER:

Advanced Engineering and Environmental Services, LLC

By:

Date:
Name: Brian R. Bergantine, PE
Title: Project Quality Director

Address for giving notices:
Advanced Engineering and
Environmental Services, LLC
4050 Garden View Drive, Suite 200
Grand Forks, ND 58201

Designated Representative:
Name: Dustin Schultz, PE
Title: Senior Project Manager

Address:
4170 28th Avenue South
Fargo, ND 58104

Phone: (701) 364-9111
Email: Dustin.Schultz@ae2s.com

Attachment No. 1 – Owner's Representative Scope of Services

This scope of services is structured to align with the Design Consultant's Task Order No. 1 (Sections A–M) and focuses on oversight, coordination, technical review, and facilitation of responsibilities between Owner and Consultant for Preliminary Engineering on the City of Grimes Water Supply and Water Treatment Plant Expansion.

A. Project Management and Administration

1. Participate in project initiation and monthly progress meetings to monitor Consultant's performance, schedule, and budget adherence.
2. Review Consultant's project work plan, schedule, and Quality Assurance / Quality Control (QA/QC) plan to ensure alignment with programmatic standards.
3. Coordinate between the Owner, Consultant, subconsultants, regulatory agencies, and other stakeholders to facilitate clear communication and timely decisions.
4. Review monthly status reports, invoices, and deliverables for consistency with scope and budget.
5. Provide input on regulatory consultation strategies and support communication with relevant agencies.
6. Create customizable budget tracking tools to monitor project expenditures, commitments, and funding allocations in real time. Templates will be adaptable for both individual projects and program-wide reporting.
7. Design a capital accounting framework that can be applied across multiple projects, providing consistent tracking of capitalized costs, depreciation schedules, and funding source allocations.

B. Raw Water Supply Evaluation

1. Conduct peer review of methodology, groundwater modeling approach, and draft technical memorandum prepared by the Consultant.
2. Facilitate data acquisition from Iowa Department of Natural Resources (IDNR) and City of Grimes consultant teams as needed.
3. Participate in technical meetings to discuss model selection, evaluation results, and well siting recommendations.
4. Coordinate final draft review with the Owner's design team and serve as the primary liaison between the Consultant and Owner's design team to provide consistent communication of assumptions, results, and recommendations prior to finalization.
5. Review final technical memorandum and Water Use Permit application for completeness and alignment with project objectives.

C. Raw Water Main Alignment Evaluation

1. Oversee Consultant's development of alternative alignments and evaluation criteria.
2. Participate in field reviews, alignment discussions, and ranking sessions.
3. Coordinate final draft review with the Owner's design team and serve as the primary liaison between the Consultant and Owner's design team to ensure consistent communication of assumptions, results, and recommendations prior to finalization.
4. Review draft and final technical memorandum to ensure constructability, land acquisition, and cost considerations are fully addressed.

D. Raw Water Main Hydraulic Restriction Evaluation

1. Review Consultant's hydraulic analysis approach, model calibration methodology, and evaluation criteria.
2. Participate in review meetings to discuss draft findings and address operational concerns.
3. Coordinate final draft review with the Owner's design team and serve as the primary liaison between the Consultant and Owner's design team to provide consistent communication of assumptions, results, and recommendations prior to finalization.
4. Review final technical memorandum for accuracy and alignment with system operational objectives.

E. Precipitative Lime Softening Plant Production Capacity Increase Evaluation

1. Review Consultant's facility assessments, hydraulic modeling approach, and capacity up-rating methodology.
2. Participate in evaluation meetings to review findings and provide operational input.
3. Coordinate final draft review with the Owner's design team and serve as the primary liaison between the Consultant and Owner's design team to provide consistent communication of assumptions, results, and recommendations prior to finalization.
4. Review draft and final technical memorandum and cost opinions for completeness and consistency with project goals.

F. Precipitative Lime Softening Plant Production Range Assessment

1. Review Consultant's assessment of production limitations and proposed improvements.
2. Participate in technical review meetings.
3. Coordinate final draft review with the Owner's design team and serve as the primary liaison between the Consultant and Owner's design team to ensure consistent communication of assumptions, results, and recommendations prior to finalization.
4. Review draft and final memorandum to appropriately address operational flexibility and blending considerations.

G. Primary Disinfection Evaluation

1. Review Consultant's CT calculations and evaluation approach relative to Ten States Standards and IDNR requirements.
2. Participate in review meetings and confirm operational needs are reflected in recommended alternatives.
3. Coordinate final draft review with the Owner's design team and serve as the primary liaison between the Consultant and Owner's design team to provide consistent communication of assumptions, results, and recommendations prior to finalization.
4. Review draft and final memorandum.

H. Blended Finished Water Quality Stability Evaluation

1. Review Consultant's water quality modeling approach and blending scenarios.
2. Facilitate coordination for data collection and review model outputs.
3. Participate in review meetings and confirm corrosion control and stability considerations are aligned with system objectives.

4. Coordinate final draft review with the Owner's design team and serve as the primary liaison between the Consultant and Owner's design team to provide consistent communication of assumptions, results, and recommendations prior to finalization.
5. Review draft and final memorandum.

I. High-Recovery RO System Evaluation

1. Review Consultant's desktop analysis assumptions, alternatives considered, cost/benefit analysis, and draft memorandum.
2. Participate in technical meetings and assist in evaluating operational impacts.
3. Provide input to ensure evaluation considers regional water supply planning objectives.
4. Coordinate final draft review with the Owner's design team and serve as the primary liaison between the Consultant and Owner's design team to provide consistent communication of assumptions, results, and recommendations prior to finalization.
5. Review draft and final memorandum.

J. Water Treatment Ancillary Systems Evaluation

1. Review Consultant's inspection findings, ancillary system assessments, and recommendations.
2. Participate in facility walkthroughs and technical meetings with operations staff.
3. Coordinate final draft review with the Owner's design team and serve as the primary liaison between the Consultant and Owner's design team to provide consistent communication of assumptions, results, and recommendations prior to finalization.
4. Review draft and final memorandum for completeness and system resiliency considerations.

K. Preliminary Engineering Report (PER)

1. Review draft PER sections for consistency with IDNR requirements and program standards.
2. Coordinate and consolidate Owner review comments.
3. Participate in review meetings with the Consultant and IDNR to facilitate timely resolution of comments.
4. Coordinate final draft review with the Owner's design team and serve as the primary liaison between the Consultant and Owner's design team to provide consistent communication of assumptions, results, and recommendations prior to finalization.
5. Review final PER prior to submission to IDNR.

L. SRF Intended Use Plan Application Assistance

1. Review draft State Revolving Fund (SRF) application and supporting documentation prepared by the Consultant.
2. Coordinate with the Owner to confirm Owner-prepared sections align with Consultant materials.
3. Participate in review meetings with IDNR to support successful submittal.

M. RO Membrane Module Procurement (Existing RO Racks)

1. Review procurement documents and technical specifications prepared by the Consultant.
2. Participate in meetings with IDNR and Consultant regarding sole-source justification and procurement strategy.
3. Oversee procurement process coordination to confirm alignment with SRF funding requirements.
4. Review shop drawings, installation inspections, and performance testing documentation.
5. Participate in final inspection and review Consultant's letter report for completeness.

Attachment No. 2 – Additional Requested Scope of Services

This scope of services includes public outreach and videography support for the City of Grimes Water Supply and Water Treatment Plant Expansion, evaluation of the City of Urbandale interconnection, and variable cost review of solids handling and RO concentrate disposal at the City of Grimes WTP site.

A. Public Outreach and Videography Support

1. Coordinate with the Owner's Communications Team to plan and schedule periodic videography sessions throughout the planning, design, construction, and commissioning phases of the project.
2. Develop key messaging and storyboards for each video segment in coordination with the Owner and Consultant to highlight major project milestones, technical elements, and community benefits.
3. Oversee field videography sessions during site visits, major construction activities, and key project milestones to help verify technical accuracy and appropriate branding.
4. Produce short public outreach videos for use on social media, websites, and presentations, providing project updates in a clear and engaging manner.
5. Support event coverage for groundbreakings, ribbon cuttings, and other ceremonial or public events tied to the Grimes WTP expansion.

B. City of Urbandale Interconnection Evaluation

1. Review Existing System Models for both the City of Grimes and Urbandale service areas to identify potential hydraulic interconnection points that would provide mutual benefit.
2. Conduct a high-level hydraulic analysis to assess feasible locations and flow capacities for an interconnection between Urbandale and Grimes, considering operational pressures, existing infrastructure, and system performance impacts.
3. Evaluate capacity expectations to determine Urbandale's anticipated demands and how those demands can be accommodated within the Owner's Core Network and Grimes WTP expansion planning framework.
4. Facilitate Coordination Meetings with Owner, Urbandale Water Utility, and relevant member agencies to review findings and align on potential interconnection strategies.
5. Assist with Funding and Cost Allocation Strategies, evaluating the proportional benefit to Urbandale versus the broader Owner's system to establish an equitable cost participation framework per the Schedule IV-12 in the Central Iowa Water Works 28E/28F Agreement.
6. Prepare a Summary Memorandum documenting the evaluation, findings, cost allocation recommendations, and next steps for Owner and Urbandale.

C. Solids Handling and RO Concentrate Disposal Review

1. Review Existing Agreements and Billing Structures related to solids handling and RO concentrate water disposal at the Grimes WTP site.
2. Compile and evaluate current variable cost data, including rate structures, surcharges, volume-based charges, and any special fees applicable to the WTP solids and RO concentrate streams.
3. Coordinate with Owner to clarify billing methodologies, recent cost adjustments, and any upcoming policy or rate changes that could affect project financial planning.

4. Assess Projected Future Costs for solids handling and concentrate water disposal under anticipated expanded production scenarios, incorporating proposed treatment capacity increases and RO recovery system alternatives.
5. Develop a Summary Memorandum presenting findings, cost impacts under different production scenarios, and recommendations for cost management or alternative strategies.

CENTRAL IOWA WATER WORKS

BOARD OF TRUSTEES ACTION ITEM FORM

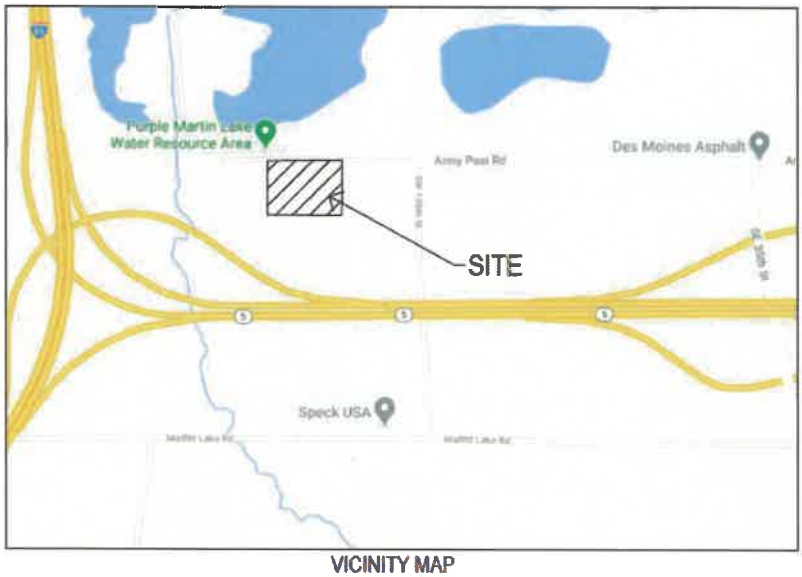
Meeting Date: December 17, 2025

ITEM NUMBER: 8C

SUBJECT: Motion – Approve Reallocation Request within 2026 Capital Improvements Plan for Source Water Protection Improvements to Benefit Purple Martin Lake

SUMMARY:

Des Moines Water Works, West Des Moines Water Works, and Central Iowa Water Works have been engaged in discussions with the City of West Des Moines and WB Realty Co. concerning a proposed development in close proximity to Purple Martin Lake, which will serve as a future water source for the McMullen Water Treatment Plant.



VICINITY MAP
SCALE: 1" = 1,000'

WB Realty has purchased property and proposed constructing a speculative ("spec") warehouse near Purple Martin Lake, a potential future water source for the McMullen Water Treatment Plant. Over the past year, CIWW, DMWW, and WDMWW—with support from Nyemaster Law Firm—have worked with the developer to understand his concerns about the impacts of source water protection measures on the property he owns. He has claimed that when he acquired the site, he was not informed that Purple Martin Lake is planned for future use as a water supply. The lake does not yet have a water supply permit.

Throughout this process, we have sought to identify source water protection measures that would safeguard the future supply while also acknowledging the developer's interests. However, because the eventual tenant and operational activities remain unknown, the potential risk of contamination is still substantial. Despite continued discussions, the parties have not been able to reach a satisfactory resolution.

CIWW, DMWW, and WDMWW have requested that the developer voluntarily adopt certain source water protection measures that are not required by law or regulation but would significantly help safeguard our water supply. The developer has conceded to a pared down version of what we have requested but we are at a standstill on one remaining item:

> *Must provide for approval by CIWW and City of West Des Moines and install, at owner cost, a permanent countermeasure(s), designed by a licensed engineer, that can control release of stormwater from the site in the case of fire and/or spill preventing drainage to Purple Martin Lake. This will require an amendment of the existing stormwater management plan.*

Central Iowa Water Works is conducting a source water protection study to identify potential contamination risks at Purple Martin Lake and nearby water bodies and to develop an action plan to address those threats. This study will help reduce risk to public health, avoid costly water treatment, and ensure a sustainable supply of clean water for the future. We intend to use this study to educate decision-makers on what types of uses are suitable within close proximity of our source and production assets and to avoid this type of disagreement with future developments. The study started as a discussion between West Des Moines Water Works and the City of West Des Moines before the operational commencement of CIWW, as such, WDMWW has led the project and the communication with the city.

To mitigate the risk to our planned water supply source, CIWW is requesting a reallocation of $200,000 to establish a budget for source water protection measures at Purple Martin Lake.

FINANCIAL IMPACT:

This is a reallocation request within the 2026 Capital Improvements Plan. No new funds are being requested.

RECOMMENDED ACTION BY THE BOARD OF TRUSTEES:

The Technical Committee unanimously voted to recommend this request to the Board of Trustees for approval at the December meeting.

Reallocate $200,000 within the 2026 Capital Improvements Plan for source water protection improvements to benefit Purple Martin Lake.

Prepared by: Lorri Madson

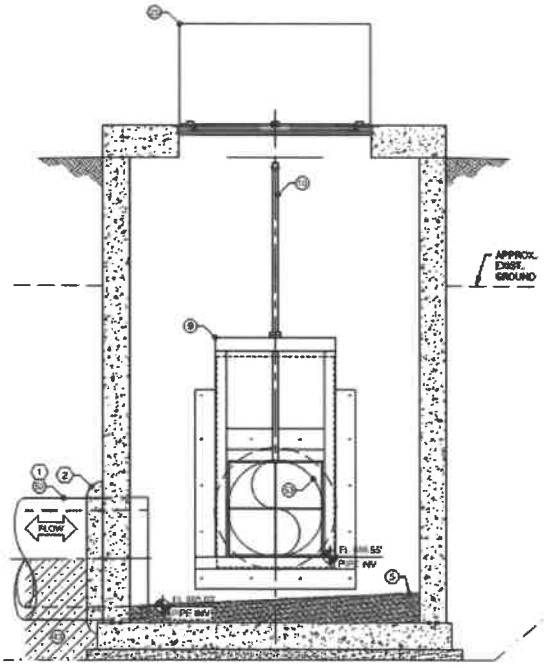
Preliminary information regarding a permanent countermeasure is outlined below:

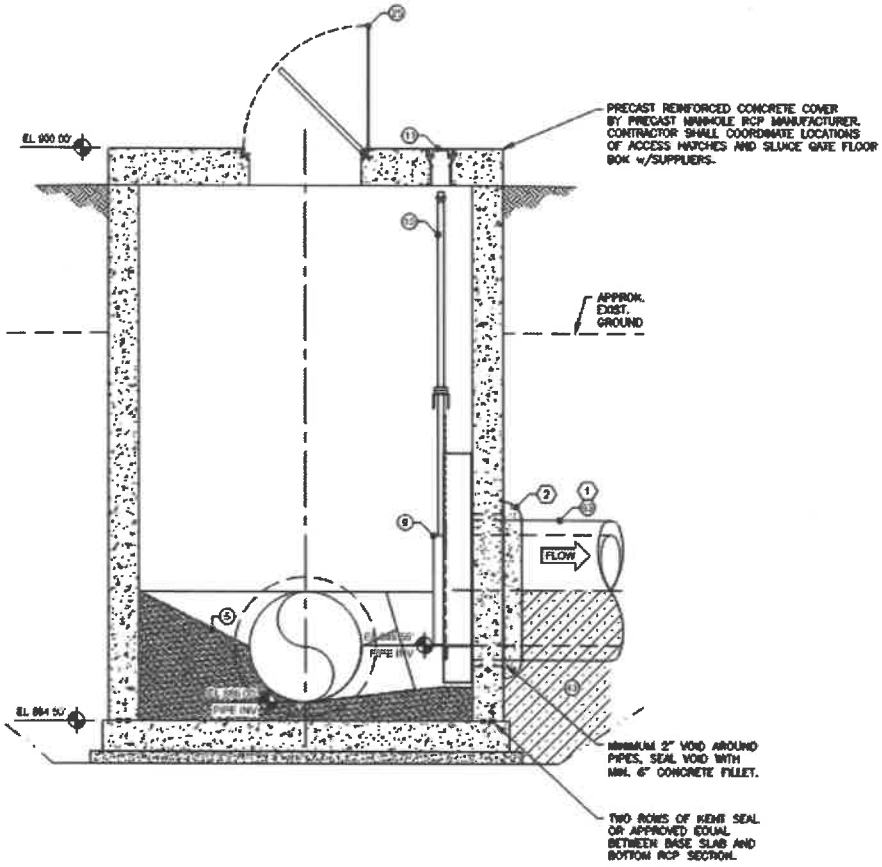
This sluice gate option allows for minimal leakage in accordance with AWWA C561. The attached materials illustrate the typical structural detailing used for installations incorporating a sluice gate. Screenshots of a round manhole configuration with a sluice gate are also included; however, a box structure is recommended to facilitate easier mounting.

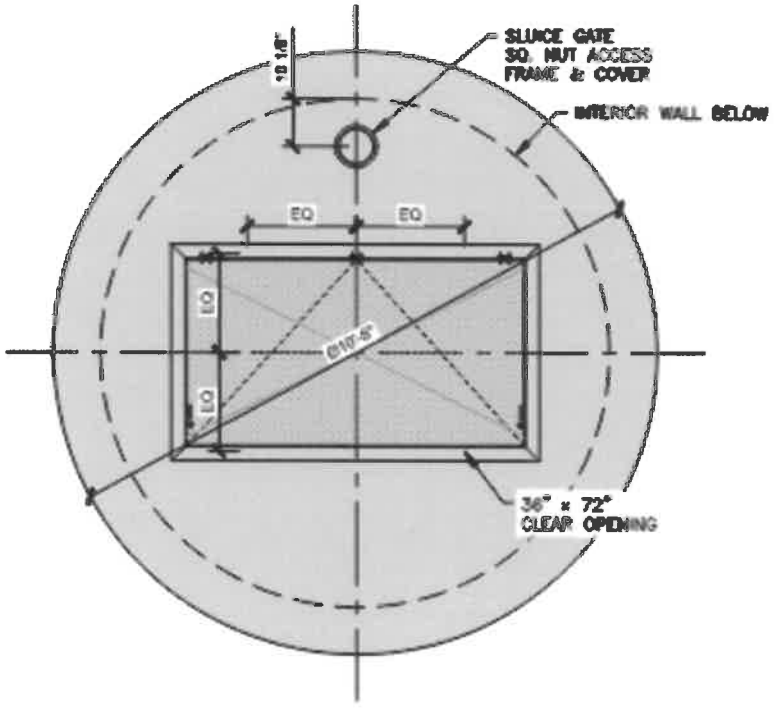
Please note that a 36-inch RCP will require a sluice gate closer to 48 inches in width to ensure that the frame bolts can be properly embedded in sound structural concrete. Leakage rates vary based on gate size and the level of submergence. The maximum allowable leakage is 0.10 gpm per foot of gate perimeter, although manufacturers commonly achieve rates in the range of 0.02–0.05 gpm per foot. Typical sluice gate manufacturers include Whipps, Fontaine, and Golden Harvest.

Another option is a knife valve design, which will also allow slight leakage but is capable of closing even when solids or debris accumulate in the seat or channel. An additional consideration with this option is the need to transition from RCP to DIP or PVC pipe, or alternatively to install DIP for the entire pipeline run, which would be more costly. If further evaluation is desired to develop a more accurate cost estimate for using DIP along the full alignment, the team can proceed accordingly.

The estimated cost of the sluice gate, knife valve, or gate valve is approximately $75,000, with an additional $25,000 required for the box structure. Accordingly, the total estimated cost for implementing this option for a single pond is approximately $100,000.







MANHOLE COVER PLAN

CENTRAL IOWA WATER WORKS

BOARD OF TRUSTEES ACTION ITEM FORM

Meeting Date: December 17, 2025

ITEM NUMBER: 8D

SUBJECT: Motion – Adopt Treasurer Duties Policy and Appoint Amy Kahler, of Des Moines Water Works, to serve as Treasurer for Central Iowa Water Works

SUMMARY:

Des Moines Water Works currently acts as the interim Board Treasurer for Central Iowa Water Works. At the recommendation of the Finance and Audit committee and direction of the Board of Trustees, the position was made available to all CIWW member agencies in August. DMWW emerged as the sole agency to express interest in formally assuming the role. As a result of DMWW's interest and the high-quality services provided during the interim period, the Finance and Audit Committee and Board of Trustees directed CIWW and DMWW staff to negotiate an agreement formalizing the relationship. The attached document has been drafted by staff from both organizations and reviewed by Neal Westin of Nyemaster Law Firm on behalf of CIWW.

A separate agreement between CIWW and DMWW is being negotiated to formalize the contract.

FINANCIAL IMPACT:

Treasurer duties will be reimbursed semi-annually based on the actual hours services were performed. A separate financial agreement is being negotiated and will be presented when finalized.

RECOMMENDED ACTION BY THE BOARD OF TRUSTEES:

Adopt Treasurer Duties Policy and Appoint Amy Kahler, of Des Moines Water Works, to serve as Treasurer for Central Iowa Water Works

Prepared by: Amy Madsen

Treasurer Duties

Central Iowa Water Works

Adopted December 17, 2025

Section 1. Purpose. This document outlines the duties, responsibilities, and expectations of the Treasurer of Central Iowa Water Works ("CIWW"). The Treasurer plays a key fiduciary and oversight role in maintaining the financial integrity of CIWW.

Section 2. Appointment and Term.

The Treasurer is appointed by the CIWW Board of Trustees. The term of service shall be three years, with an additional two year-option to be exercised by the Board of Trustees, unless renewed or terminated earlier by the Board. The individual serving as Treasurer shall, at all times, be an employee of a CIWW Member Agency, and not an employee of CIWW.

Section 3. Duties and Responsibilities.

The Treasurer shall provide the following financial oversight, services, and support:

Third-Party Accounting Service Provider Liaison Services

- Explain operational and non-routine transactions to the third-party accounting service provider, as needed
- Assist CIWW staff in reviewing and analyzing monthly financial statements for accuracy and presentation to the Board of Trustees
- Review and approve accounting and project information for accounts payable in accounting software
- Serve on selection committee for Third-Party accounting service providers

Investment Services

- Invest excess cash in compliance with the CIWW Investment Policy
- Serve as liaison with IPAIT and other investment advisors
- Monitor market conditions and performance
- Report investment balances, activity, and performance to the Board of Trustees with the monthly financial statements.

Banking Services

- Serve as liaison with selected banking institution(s)
- Monitor cash flow to ensure adequate depository balance to meet operational, capital, and debt service obligations
- Transfer funds to the bond sinking fund each month

Third-Party Financial Advisor Liaison Services

- Work with Third-Party financial advisor on debt considerations, as requested
- Assist the Executive Director and Third-Party Financial Advisor in coordinating annual budget and ten-year CIP
- Oversee development of and periodic updates to CIWW Member Expansion Capital Funds to ensure member contributions for expansion capital, along with any associated allocated interest earnings, are properly credited to members and allocated debt service obligations are deducted from member funds.

Third-Party Audit Service Provider Liaison Services

- Liaison between CIWW, Third-Party accounting service provider, and independent auditor to ensure timely and accurate workpapers are prepared in advance of the audit
- Answer questions and provide explanations and analysis as requested by independent auditor
- Work with CIWW staff to provide source documents to independent auditor, as requested
- Assist independent auditor in drafting notes to financial statements, as requested (i.e., subsequent events, etc.)
- Serve on selection committee for Third-Party audit service providers

Internal Controls

- Work alongside Executive Director and staff to ensure internal controls and financial procedures are in place, making recommendations when needed
- Review payroll reports to ensure the proper payment of wages, retirement contributions, and benefits

Section 4. Fiduciary Responsibility. The Treasurer shall:

- Act in the best financial interests of Central Iowa Water Works, maintaining the highest standards of integrity, transparency, and accountability
- Safeguard CIWW's assets and ensure funds are used in accordance CIWW governing documents and Board-approved purposes
- Assist Executive Director in identifying, assessing, and mitigating risk to CIWW
- Disclose any potential conflicts of interest before providing guidance directly related to the conflict
- The duties of the Treasurer may be delegated to the Treasurer's designees with the Treasurer providing oversight of the duties. Delegation of duties does not release the Treasurer of fiduciary responsibility

Section 5. Authority.

The Treasurer shall be an authorized signatory on CIWW's financial accounts and have authority to conduct financial transactions on behalf of CIWW, subject to Board-approved policies and spending limits.

Section 6. Collaboration and Leadership. The Treasurer shall:

- Work closely with the Executive Director and CIWW staff to monitor financial performance
- Provide guidance and financial insight to CIWW staff, the Board, and committees, as requested

Section 7. Compensation

- The Treasurer shall be compensated in amounts equal to the actual full cost incurred by CIWW providing services under this agreement
- The Treasurer services shall be contracted through the Member Agency consistent with Schedule XIV-2 of the CIWW 28E-28F Agreement
- The CIWW Member Agency employing the Treasurer will invoice CIWW on a quarterly basis for actual hours worked performing Treasurer duties

Section 8. Termination

The Treasurer may be terminated prior to the end of the Treasurer's appointed term:

- By resignation of the Treasurer with at least six months written notice
- By action of the Board of Trustees, with or without cause
- Automatically upon the termination of existence of CIWW for any reason
- Upon a default by the Treasurer or the CIWW Member Agency employing the Treasurer, consistent with Article XXIII of the CIWW 28E/2F Agreement

CENTRAL IOWA WATER WORKS

BOARD OF TRUSTEES ACTION ITEM FORM

Meeting Date: December 17, 2025

ITEM NUMBER: 9A1

SUBJECT: After-Action Review Draft Report

The attached interim draft report has not yet been reviewed by all stakeholder groups and is provided as an update for the CIWW Trustees. **Due to expected revisions, the report is not in its final format and should not be reviewed for formatting issues.**

The report has been organized for ease of reference. Users may click any item in the table of contents to navigate directly to the corresponding section.

The Recommendations section includes proposals submitted by various stakeholders that require action by CIWW committees and the Board. The Technical Committee will hold two workshops in January, schedules permitting, to address recommendations within its scope. The first workshop will focus on reviewing and discussing the recommendations, while the second workshop will be dedicated to clarifying and finalizing the committee's recommendations for submission to the Board.

Additional recommendations will require input from other groups, including Communications, Emergency Management, and the Water Usage Best Practices Committee.

With an aggressive timeline, finalized recommendations could be provided to the Board at the February meeting.

FINANCIAL IMPACT:

None

RECOMMENDED ACTION BY THE BOARD OF TRUSTEES:

Review the attached After-Action Review and provide any questions or feedback within the next four weeks.

Prepared by: Tami Madsen

Water Shortage Plan Implementation After-Action Review 2025

Central Iowa Water Works

Email: info@ciww.gov

Website: www.ciww.gov

TABLE OF CONTENTS

DEFINITIONS

AAR	After-Action Review
ASR	Aquifer Storage and Recovery Well
CIWW	Central Iowa Water Works
DMWW	Des Moines Water Works
EPA	Environmental Protection Agency
IDNR/DNR	Iowa Department of Natural Resources
MCL	Maximum Contaminant Level
µg/L	Micrograms per Liter
MGD	Million Gallons per Day
mg/L	Milligrams per Liter
N:P Ratio	Nitrogen Phosphorus Ratio
PPM	Parts per Million
PN	Public Notification Rule
WDMWW	West Des Moines Water Works

REPORT OVERVIEW

In the summer of 2025, Central Iowa Water Works (CIWW) encountered an unprecedented challenge when heavy rainfall caused significant water quality issues in the region's drinking water sources. Nitrate levels spiked to their highest point since 2013, forcing CIWW to activate its Water Shortage Plan. Within days, the system moved rapidly from Stage I to Stage II, and within a day, to Stage III as water demand exceeded treatment capacity. To protect public health and ensure supply, CIWW and its 12 member agencies implemented a series of emergency measures, including restricted lawn watering, closing splash pads, delaying sod installation, encouraging residents to conserve water, and taking other conservation actions. The rapid escalation and historic nature of the event created complex operational challenges. These circumstances led CIWW to conduct an After-Action Review (AAR) to capture lessons learned, recognize organizational strengths, and improve the future implementation and communication of the Water Shortage Plan.

Activities

The following instruments were used to conduct the review:
Surveys, interviews, focus groups, committee meetings, and data collection during the event

Participation

The organization extends its appreciation to all participants in this AAR. Their diverse perspectives and involvement provided valuable insights that will enhance the execution of the water shortage plan during future events.

Throughout the event, Central Iowa Water Works and its member agencies provided drinking water that met all safe drinking water standards to more than 600,000 users.

Looking Ahead

The findings in this report will used to make operational and policy recommendations to CIWW committees, board of trustees, and member agencies.

Tami Madsen
Executive Director
November 28, 2025

CENTRAL IOWA WATER WORKS

About the Authority

Central Iowa Water Works (CIWW) is a regional water production authority established on April 11, 2024. Founded by 12 entities representing utilities, communities, and rural providers, CIWW is responsible for drinking water treatment, water system planning, and the wholesale delivery of water. Together, the 12 founding members of CIWW serve more than 600,000 and distribute nearly 22 billion gallons of water a year.

The founding members of CIWW are:

City of Ankeny
City of Clive
Des Moines Water Works
The City of Grimes
Johnston
The City of Norwalk
Polk City
Urbandale Water Utility
Warren Water District
The City of Waukee
West Des Moines Water Works
Xenia Rural Water District

[Insert Service Territory Map]

Organizational Structure

Board of Trustees

The Central Iowa Water Works Board of Trustees is composed of 13 members. Each founding entity with a population under 100,000 appoints one representative, while Des Moines Water Works—having a population exceeding 100,000—appoints two representatives to the Board.

Committees

Central Iowa Water Works maintains five standing committees of its Board:

Executive Committee
Long Range Planning and Capital Improvements Committee
Finance & Audit Committee
Nominating Committee
Technical Committee

This report references the technical committee:

Technical Committee

Composed of 12 representatives and 11 alternates from diverse professional backgrounds, the technical committee evaluates water consumption, updates schedules, designs capacity improvements, and reviews budgets, among other responsibilities. It also manages water shortages through the Water Shortage Plan, ensure equitable use of shared infrastructure, and clarifies water-related terms.

Staff

Central Iowa Water Works is staffed by two full-time employees: the executive director and the executive assistant.

IDENTIFICATION OF EVENTS

Introduction

In the summer of 2025, Central Iowa Water Works (CIWW) encountered an unprecedented challenge when heavy rainfall caused significant water quality issues in the region's drinking water sources. Nitrate levels spiked to their highest point since 2013, forcing CIWW to activate Stage I of its Water Shortage Plan on June 30. Within days, the system advanced quickly from Stage I to Stage II within days, reaching Stage III on June 12 when water demand surpassed treatment capacity. To protect public health and ensure supply, CIWW and its 12 member agencies implemented a series of emergency measures, including restricted lawn watering, closing splash pads, delaying sod installation, encouraging residents to conserve water, and taking other conservation actions. The rapid escalation and historic nature of the event created complex operational challenges. These circumstances led CIWW to conduct an After-Action Review (AAR) to capture lessons learned, recognize organizational strengths, and improve the future implementation and communication of the Water Shortage Plan.

Timeline

- 5/19 – Preliminary indications of nitrate issues
- 5/30 – Technical Committee met. Nitrate levels are 15 mg/L in the Racoon River and Des Moines River, and 8.92 mg/L at the infiltration gallery. Microcystin levels are declining. Treatment capacity is reduced, with six nitrate removal vessels currently in operation.
  - **Stage I of the Water Shortage Plan is Activated**
    Press release issued, social media postings begin
- 6/8 – Racoon River reaches 20.55 mg/L – highest nitrate reading since 2013
- 6/10 – Technical Committee met. Raccoon River nitrate reading is 19.98 mg/L and microcystin is elevated in the Des Moines River. All ASRs (aquifer storage and recovery wells) are in service, and six nitrate removal vessels are operating, with seven expected by the end of the day. Members were to contact city representatives about water conservation.
- 6/11 – Technical Committee met. Nitrate levels in the Raccoon River are hovering at 20 mg/L the Raccoon is not currently in use. Nitrate levels in the Des Moines River and the infiltration gallery are increasing. The Polk City plant operating at maximum capacity**.** Customer demand reached 108% of treatment capacity. High risk of exceeding nitrate standard. Technical Committee meeting is scheduled for 6/12 for next update.
  - **Stage II of the Water Shortage Plan is Activated**
    Press release issued, social media postings
- 6/12 – 9:00 am Technical Committee met. Water storage in distribution system was short by 5 million gallons. Customer demand exceeded treatment capacity. Nitrate concentrations in the Des Moines River rose overnight. Water treatment plants have

been running at 100% capacity for over 24-hours. A.C. Ward plant output increases by .8 MGD (notice period for medical facilities elapsed). Members adjourned to ensure decision-makers and leaders were informed before moving into Stage III.

- 6/12 – 1:30 pm Technical Committee met. Discussion was held concerning the responsibility for enforcement of Stage III.
  - **Stage III of the Water Shortage Plan is Activated**
    Press release issued, social media postings
    Press conference at Polk County Emergency Management
- 6/13 – Technical Committee met. Nitrate and microcystin were decreasing. Demand was lower than expected. Storage was refilled overnight. Questions were asked concerning FAQ document.
- 6/18 – Technical Committee met. Finished water nitrate reading at 8 mg/L. Waukee and Ankeny have turned off one ASR each.
- 6/23 – *Daily situational update email to metro-wide stakeholders begins and continues until 7/31.*
  Daily email to news media, updates to website, updates to social media – targeted for noon.
  Weekly press conferences begin
- 6/24 – Technical Committee met. The 48-hour notice elapsed for notices related to lawn watering violations. Discussions were held concerning the ability to discontinue water service. Some communities were turning off water service, others were not. Discussions were held about economic impacts of the ban. Technical Committee supported email to metro-wide email list for daily graphic. CIWW staff sent each technical committee member the list of recipients in their service territory for their awareness of who was receiving the email.
- 6/25 – Technical Committee met. Discussion was held related to the economic impact of the lawn watering ban. Sod tracking forms were implemented.
- 6/26 – Technical Committee met. Rainfall briefly reduced nitrate concentrations in the river, but levels are now increasing again. 6.4 mg/L on the Raccoon River and 14 mg/L on the Des Moines River. Finished water quality at the Fleur Drive plant is 7.81 mg/L. Discussion was held concerning how and when to move out of Stage III. A phased approach was discussed.
- 7/7 – Technical Committee met. River nitrates are trending down at the Fleur Drive intake but are trending up upstream. Fleur Drive water treatment plant at 61% capacity. Discussions were held about ongoing enforcement. No feedback was provided on phased approach to exiting plan.
- 7/9 – Technical Committee met. Nitrate levels are fluctuating due to weather and difficult to convey factors. Questions were posed concerning enforcement of different components of Stage III.
- 7/18 – Technical Committee met. Historical data was presented on nitrate concentrations. Committee determined it is appropriate to exit Stage III of the water shortage plan in a phased approach allowing residential first.

  - **Stage II of the Water Shortage Plan**, **Phased approach – Residential** 50% reduction in lawn watering using even/odd lawn watering schedule.
- 7/29 – Technical Committee met. Committee implemented section phase of exiting Phase III.
  - **Stage II of the Water Shortage Plan**, **Phased approach – Commercial** 50% reduction in lawn watering using even/odd lawn watering schedule.
- 7/31 – Daily situational update email to metro-wide stakeholders ends.
- 8/6 – Technical Committee met. River nitrate fluctuating with rainfall. 3 nitrate removal vessels on (minimum amount) and ASRs have resumed normal operations.
  - **Stage I of the Water Shortage Plan**
- 8/13 – Racoon River nitrate still high but lower on Des Moines River and infiltration gallery. Nitrate removal facility is shut down.

Water Quality Challenges

Maintaining high-quality drinking water requires continuous monitoring, responsive operations, and a thorough understanding of the environmental factors that influence source water conditions. Two of the most significant water quality challenges faced by CIWW this summer were cyanotoxins, particularly microcystin produced by harmful algal blooms, and nitrate contamination. Each contaminant presents unique risks to public health and requires careful evaluation to determine the safest and most effective treatment approach.

- ***Microcystin***

  Cyanobacteria, often referred to as blue-green algae, are photosynthetic bacteria naturally present in many freshwater environments, including lakes, rivers, reservoirs, and wetlands. As primary producers, they play an essential ecological role by converting sunlight into energy and supporting aquatic food webs (American Water Works Association, 2025). However, when environmental conditions favor rapid growth—such as elevated nutrients, warm temperatures, abundant sunlight, and shifts in nitrogen-to-phosphorus ratios—cyanobacteria can form harmful algal blooms. Some genera, including Microcystis, Dolichospermum, Planktothrix, Nostoc, Microcoleus, and Microseira, can produce cyanotoxins, with certain species generating multiple toxins within a single bloom (Environmental Protection Agency, 2015).

  Cyanotoxins are contained within cyanobacterial cells and are typically released into the surrounding water when cells die or rupture, although some species can release toxins without cell damage. Microcystins—one of the most commonly measured cyanotoxins—are water-soluble and remain intracellular until cell breakdown occurs (Environmental Protection Agency, 2015). Other major cyanotoxins in U.S. waters include cylindrospermopsins, anatoxins/guanitoxins, saxitoxins, and nodularins. Once released, these toxins can pose significant health risks, ranging from mild symptoms such as skin

irritation, headaches, and gastrointestinal distress to severe and potentially fatal effects. Because bloom formation and toxin production are influenced by complex environmental factors, ongoing monitoring is critical to protecting ecological health and ensuring the safety of drinking water supplies.

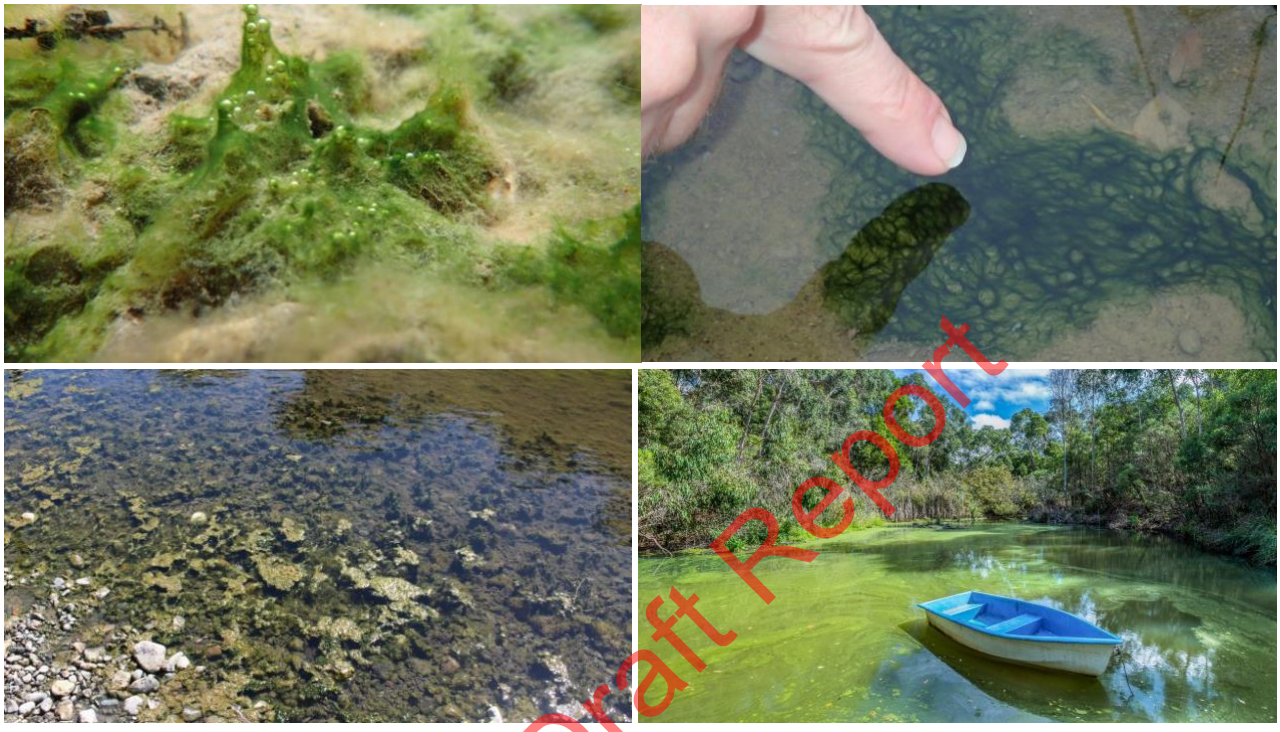


Photo credit: California Freshwater Harmful Algal Bloom Program (FHAB)
Bottom Right: Getty Images 5296518571

- ***Nitrate***

Nitrate, measured as nitrogen, is regulated under the National Primary Drinking Water Regulations (NPDWR), which set legally enforceable standards to protect public health. The maximum contaminant level (MCL) for nitrate is 10 mg/L. Nitrate commonly enters drinking water sources through leaking septic systems, sewage, agricultural fertilizer runoff, and the natural erosion of soils and mineral deposits. Because it dissolves easily in water and moves quickly through soil, nitrate can appear in both surface water and groundwater supplies, making consistent monitoring essential for public water systems.

The primary health concern associated with elevated nitrate levels is methemoglobinemia, commonly known as “blue-baby syndrome.” This condition affects the blood’s ability to carry oxygen and poses the greatest risk to bottle-fed infants under six months of age. Symptoms can include shortness of breath and a bluish tint to the skin, and if left untreated, the illness can be fatal. Individuals with certain metabolic conditions, such as glucose-6-phosphate dehydrogenase deficiency, may also be more susceptible. Fortunately, symptoms typically resolve once exposure to nitrate-contaminated water is eliminated, underscoring the

importance of maintaining nitrate levels below the federal standard and ensuring safe drinking water for all consumers (Environmental Protection Agency, 2015).

COMPARISON OF NITRATE AND MICROCYSTIN CONTAMINATION IN SOURCE WATER

Category	Nitrate	Microcystin (Cyanotoxin)
Primary Source	Fertilizer runoff, septic leakage, sewage, natural deposits	Produced by cyanobacteria during harmful algal blooms
Regulatory/Health Limit	10 mg/L (10,000 µg/L) EPA MCL	1.6 µg/L EPA Health Advisory (adult) 0.3 µg/L EPA Health Advisory (bottle-fed infants and pre-school children)
Behavior in Water	Fully dissolved; moves easily through soil and water	Mostly intracellular until cell rupture; released during bloom decay
Environmental Drivers	Precipitation/runoff, soil conditions	Warm temps, high nutrients, sunlight, N:P ratio, calm water
Seasonal Patterns	Spring runoff (most common)	Late summer/early fall (most common)
Main Health Concern	Methemoglobinemia ('blue baby syndrome')	Liver and neurotoxins; gastrointestinal and severe health effects
Sensitive Populations	Infants under 6 months; certain metabolic conditions	Children, pregnant individuals, pets, vulnerable adults
Treatment Considerations	Ion exchange, denitrification, blending	Activated carbon, oxidation, bloom management
Operational Challenges	High levels limit blending; increase treatment cost	Rapidly changing levels; toxins spike at bloom die-off

- ***Alternating Water Sources***

  Fleur Water Treatment Plant can produce 75 MGD of treated water and draws from three raw water sources depending on customer demand and water quality. These sources include the Infiltration Gallery, the Raccoon River, and the Des Moines River. Laboratory staff sample and test each source daily to help operators make informed decisions on the treatment process. Operators prioritize the use of the Infiltration Gallery because it provides the highest raw water quality and is the most cost-effective source compared to direct river withdrawals. Under typical conditions, the Galley yields approximately 18 MGD, though this can fluctuate based on the Raccoon River's level.

  When customer demand exceeds the Gallery's yield, operators review laboratory data to determine whether to use the Raccoon River, the Des Moines River, or a combination of the two. Although many water quality parameters are evaluated, turbidity, nitrate, and cyanotoxins often influence which river is preferred. If a spill occurs upstream of intake, operators avoid that source–until the risk of contamination has diminished. Because the Raccoon River requires less energy to pump the raw water to the plant, it is selected when both rivers exhibit similar water quality.

  At times, one river may exhibit elevated nitrate levels while the other shows higher concentrations of cyanotoxins. Depending on system demand, operators may blend both sources to balance and minimize these water quality concerns. In certain seasons, river conditions can change rapidly because of heavy rainfall, spring snowmelt, or ice breakup, prompting operators and laboratory staff to increase monitoring and conduct additional testing up to three times per day.

- ***Exceeding Nitrate Standard***

  If a public water system exceeds the nitrate standard, the Safe Drinking Water Act, through the Public Notification Rule (PN), requires the system to notify consumers as soon as possible, typically within 24 hours. This rules ensures that customers will know if there is a problem with their drinking water. The notice must be delivered through one or more methods like radio, television, hand-delivery, or posting in public locations, and it should inform customers of the health risks, especially for infants. The system must also contact its state primacy agency (the Iowa Department of Natural Resources) and potentially take additional actions, such as re-sampling to confirm the violation, depending on local regulations.

  What the public notice should include:

  - A statement about the detected level of nitrate.
  - A description of the potential health effects, especially for infants.

- A statement that this is an acute violation, requiring immediate notification.
- Instructions for consumers, such as a recommendation to use bottled water for drinking and cooking for infants.
- Contact information for the water system to answer questions.

The following three pages include exhibits of the Nitrate MCL exceedance notice.

Instructions for Nitrate MCL Exceedance Notice

Template on Reverse

Since exceeding the nitrate maximum contaminant level is a Tier 1 violation, you must provide public notice to persons served as soon as practical but no more than 24 hours from learning of the violation [40 CFR 141.202(b)]. During this time period you must also contact your primacy agency. You should also coordinate with your local health department. This template is also applicable to nitrite and total nitrate and nitrite violations. You must use one or more of the following methods to deliver the notice to consumers [40 CFR 141.202(c)]:

- Radio
- Television
- Hand or direct delivery
- Posting in conspicuous locations

You may need to use additional methods (e.g. newspaper, delivery of multiple copies to hospitals, clinics, or apartment buildings), since notice must be provided in a manner reasonably calculated to reach all persons served. If you post or hand deliver, print your notice on your system's letterhead, if available.

The notice on the reverse provides suggested public notice content and format and is appropriate for hand delivery or for publication in a newspaper. However, you may wish to modify it before using it for a radio or TV broadcast. If you do modify the notice on the reverse, you must still include all required PN elements from 40 CFR 141.205(a) and leave the mandatory language unchanged (see below).

Mandatory Language

Mandatory language on health effects (from Appendix B to Subpart Q) must be included as written (with blanks filled in) and is presented in this notice in italics and with an asterisk on either end.

You must also include standard language to encourage the distribution of the public notice to all persons served, where applicable [40 CFR 141.205(d)]. This language is also presented in this notice in italics and with an asterisk on either end.

Alternative Sources of Water

If you are selling or providing bottled water, your notice should say where it can be obtained. Remember that bottled water can also be contaminated. If you are providing bottled water, make sure it meets US Food and Drug Administration (FDA) and/or state bottled water safety standards.

Repeat Notices

If this is a repeat notice (as required by your primacy agency), or if your system's nitrate levels fluctuate around the MCL, you may wish to include an explanation similar to the following:

You were initially notified of high nitrate levels on [give date]. Since that time we have been monitoring the nitrate concentration every three months. Seasonal fluctuations in nitrate concentrations have been observed, due to nitrates contained in fertilizer. It appears that high nitrates occur during the later summer and fall. Note that prior to [give year] we were meeting drinking water standards for nitrate.

Corrective Action

In your notice, describe corrective actions you are taking. The bullet below describes one action commonly taken by water systems with nitrate/nitrite violations. You can use the following language, if appropriate, or develop your own:

- We are investigating water treatment and other options. These may include drilling a new well, mixing the water with low-nitrate water from another source, or buying water from another water system.

After Issuing the Notice

Please send the copy of your public notice and certification using one of the following methods:

Email: R8DWU@epa.gov
Fax: 1(877) 876-9101
Mail: Nitrate Rule Manager, Bailey Smith
US EPA REGION 8, Drinking Water Program (8WD-SDA)
1595 Wynkoop Street
Denver, CO 80202-1129.

It is recommended that you notify health professionals in the area of the violation. People may call their doctors with questions about how the violation may affect their health, and the doctors should have the information they need to respond appropriately.

Nitrate MCL Exceedance Notice

DRINKING WATER WARNING

[System] water has high levels of nitrate -

DO NOT GIVE THE WATER TO INFANTS UNDER 6 MONTHS OLD OR USE IT TO MAKE INFANT FORMULA

On [give date], we received notice that the sample collected on [give date] showed nitrate levels of [level and units]. This is above the nitrate standard, or maximum contaminant level (MCL), of [state/federal MCL]. Nitrate in drinking water is a serious health concern for infants less than six months old.

Nitrate in drinking water can come from natural, industrial, or agricultural sources (including septic systems and run-off). Levels of nitrate in drinking water can vary throughout the year.

What should I do? What does this mean?

- **DO NOT GIVE THE WATER TO INFANTS.** ***Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue baby syndrome.**** Blue baby syndrome is indicated by blueness of the skin. Symptoms in infants can develop rapidly, with health deteriorating over a period of days. If symptoms occur, seek medical attention immediately.

- Water, juice, and formula for children under six months of age should not be prepared with tap water. Bottled water or other water low in nitrates should be used for infants until further notice.

- **DO NOT BOIL THE WATER.** Boiling, freezing, filtering, or letting water stand does not reduce the nitrate level. Excessive boiling can make the nitrates more concentrated, because nitrates remain behind when the water evaporates.

- Adults and children older than six months can drink the tap water (nitrate is a concern for infants because they can't process nitrates in the same way adults can). However, if you are pregnant or have specific health concerns, you may wish to consult your doctor.

What is being done?

[Describe corrective action and when system expects to return to compliance.]

For more information, please contact [name of contact] at [phone number] or [mailing address].

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

This notice is being sent to you by [system]. State Water System ID#: _____.
Date distributed:_____.

Certification of Public Notification

I _____ certify that the attached public notice was issued from
(Public Water System [PWS] Operator/Responsible Party)

_____ to _____. The notice attached was issued by
(Date) (Date)

_____ for the Nitrate Rule Violation that occurred on
(Method of delivery – by hand, mail, etc.)

_____.
(Date)

Signature: _____Date: _____

PWS Name: _____ PWS Identification Number: _____

ECONOMIC IMPACTS RECOGNIZED DURING EVENT

Sod Farms and Installation Companies

Sod farms and installation companies reported notable business losses resulting from the prohibition on new sod installation. In the absence of authorization to install new sod, farms were unable to harvest their product, and installation firms were unable to accept or fulfill new orders. Consequently, employees experienced periods of idleness, and a substantial backlog of work developed.

Golf Courses and Related Turf

Golf courses utilizing drinking water for turf management were restricted to tees and greens. Recreational fields are required to water turf for player safety.

Water System Revenue

Water system revenue is impacted by the implementation of any stage of the Water Shortage Plan

Lawn and Landscape Related Services

Lawn and landscape services were unable to perform services that require lawn watering, including chemical treatments.

Real Estate – Mortgages, Homebuilders, Agents

Some homes are not considered “substantially complete” until sod or seed has been installed. In those cases, certain lenders require a repair escrow equal to 1.5 times the estimated landscaping cost if the work is not finished before closing. Other mortgage programs may prohibit closing altogether until sod or seed is in place.

Functional Landscapes

Residential and commercial **functional landscape** health were threatened by the inability to use automatic lawn watering systems.

FINDINGS

Introduction

To be updated with final draft

Operations & Safe Water Delivery

- Continue protocols ensuring the delivery of drinking water that meets all regulatory standards.
- Maintain operational practices proven effective during previous events.
- Continue to provide autonomy to water-producing agencies to exercise emergency decision-making when the ability to provide drinking water in sufficient quality or quantity is in question.

Stakeholder Communication & Coordination

- Develop structured messaging plans for each stage to ensure clear, timely, and actionable communications.
- Standardize messaging across cities and entities, including developing a pool of technical experts as public-facing spokespeople.
- Balance centralized CIWW messaging with flexibility for member agencies to use logos/branding.
- Consider social media protocols that allow CIWW to respond as the primary point of contact.
- Tailor communications to the specific needs and perspectives of different stakeholder groups.
- Define when and how Emergency Management should be engaged during Water Shortage Plan execution.
- Continue to send updates at the same time each day during a critical event.

Decision-Making & Governance

- Confirm compliance with open meeting laws for Technical Committee sessions.
- Assess how the Technical Committee's governance and meeting status affect communication effectiveness and decision-making efficiency.
- Address policy questions related to how and when 28E/F provisions are applied.
    - Exceptions for member agencies, consecutive users, specific uses
    - Address identified areas of ambiguity

Stage Implementation & Timing

- Review timing and duration of Stages I, II, and III to improve effectiveness and stakeholder readiness.
- Ensure stakeholders receive timely notice and clear instructions to respond appropriately.

- Assess whether the Technical Committee should provide recommendations or make decisions.
- Clarify policies and exceptions, including standardized definitions, shutoff policies and procedures, and 28E agreement considerations.

Daily Updates & Situational Awareness

- Consider including daily emails with context and explanations to improve understanding of restrictions and water metrics during specific stages of the Water Shortage Plan.
- Use clear graphics to illustrate complex topics and convey quick messages.
- Maintain a serious but measured tone appropriate to the situation.
- Ensure staff and stakeholders fully understand events to communicate potential severity promptly.

Media & Public Engagement

- Conduct media tours and other engagement activities to foster relationships and convey accurate messaging.
- Address logistical challenges of press conferences, such as limited CIWW location capacity.
- Increase emphasis on social media channels to reach everyday consumers alongside traditional media channels.
- Expand messaging to reach stakeholders throughout all twelve agencies.

Public Education & Conservation

- Implement ongoing campaigns on irrigation best practices, using relatable examples and symbolic representations.
- Sustain a water conservation campaign to encourage long-term behavioral change.
- During Water Shortage Plan Implementation clarify permissible water uses and provide context for restrictions, including rainfall impact and water safety (boiling/drinking).

Resource & Asset Support

- Create a centralized resource library for member agencies, encompassing topics related to matter involving or impacting CIWW and its members.
- Develop a shared asset library featuring templates for communications, including designated spaces for member logos.
- Enhance preparedness to address unique external inquiries related to CIWW's current operational status by providing talking points on potential questions from media, elected officials, and other key stakeholders.

PARTICIPANT FEEDBACK

Stage I

- The event was managed effectively, and the mission was successfully accomplished, providing the region with drinking water that met all safe drinking water standards.
- Press releases and social media updates accompanied the release of Stage I of the Water Shortage Plan; however, the intended message did not appear to reach the audience effectively.
- Feedback suggested that Stage I might have been initiated sooner and conveyed with extended messaging.
- Should the Technical Committee have recommended the initiation of Stage I and subsequent decisions to the Trustees for formal action?
- Stakeholders expressed conflicting views on whether Emergency Management should be engaged early in the execution of any Water Shortage Plan.
- A limited understanding of the event contributed to delays in communicating its potential severity.
- Remind public of best practices and effectiveness with irrigation – use relatable examples and symbolism; desire for ongoing campaign on water conservation
- Engage all available communications groups during the implementation of the next Water Shortage Plan.
- Messaging across cities and entities was sometimes inconsistent, including the use of public-facing spokespeople.

Stage II

- The event was managed effectively, and the mission was successfully accomplished, providing the region with drinking water that met all safe drinking water standards.
- Should the implementation and communication of Stage II have occurred earlier and been maintained for a longer duration?
- The rapid implementation of Stage II limited its effectiveness.
- The implementation and communication of Stage II proceeded too quickly, providing stakeholders with minimal notice limiting their ability to respond effectively.
- Should the Technical Committee have recommended the initiation of Stage II and subsequent decisions to the Trustees for formal action?
- Do Technical Committee meetings fall under the requirements of open meeting laws?
- Policies and procedures should be developed to address exceptions related to the 28E agreement and decisions that fall within ambiguous areas.
- An analysis should be conducted to assess the impact of restricting certain activities within the 28E agreement.
- Should Emergency Management be engaged at this stage of the process?

Stage III

- The event was managed effectively, and the mission was successfully accomplished, providing the region with drinking water that met all safe drinking water standards.
- The implementation and communication of Stage III proceeded too quickly, providing stakeholders with minimal notice limiting their ability to respond effectively.
- The rapid escalation from Stage II to a complete ban in June suggested either delayed action or insufficient planning.
- To what degree does the open meeting status of the Technical Committee impact its communication effectiveness?
- Should the Technical Committee have recommended the initiation of Stage III and subsequent decisions to the Trustees for formal action?
- Not having clear definitions for exceptions/exemptions at the beginning of the event. Not having standardized Policies or a fee structure for cities to use to enforce the ban.
- Communities' ability to discuss the situation was restricted by a lack of general resources regarding water treatment technology and related challenges.
    - Communications professionals expressed a preference for CIWW to craft the messaging for communities and serve as the central point of contact for all questions.
- Daily updates to social media and the website, in conjunction with the Technical Committee, facilitated timely communication with critical staff.
- Communication became better as daily emails were issued. Inclusion of small discussion of different topics and explanations with the daily numbers update was helpful for context into what the numbers mean and why restrictions would go beyond automatically rolling back as nitrate levels fluctuate.
- The absence of a critical event communications plan created challenges in coordinating the dissemination of information to both internal and external stakeholders.
- Hosting press conferences was challenging due to the limited capacity of the CIWW location.
- Engaging the media through tours and related activities effectively fostered media relationships and helped convey the intended message.
- The provision of regular email updates highlighting the effectiveness of implemented measures, along with responsiveness to questions, played a key role in effectively managing this event.
- The graphics for the daily updates on the nitrate levels and finished drinking water level was very helpful and easy to share. The overall detail was outstanding, included all of the necessary components, and seemed to improve with responses to questions.
- As the crisis evolved, the messaging became more succinct and frequent. The tone was serious and teetered the line of alarming, which I strongly believe was necessary given the context of the situation.
- Stakeholders expressed strong satisfaction with CIWW's responsiveness, transparency, and flexibility in addressing evolving circumstances.

- Some survey responses indicated that communications were overly technical and presented in internal terminology that was difficult for the general public to understand. This contributed to misunderstandings and a perceived lack of consistency in decision-making. Conversely, other respondents in similar professional roles indicated that the level of technical detail was appropriate and necessary to convey the situation accurately.
- Deliver continuous educational efforts on irrigation best practices and their effectiveness, using relatable examples and symbolic representations, alongside a sustained water conservation campaign.
- The communication strategy relied heavily on traditional media and could have been strengthened by a greater emphasis on social media engagement targeting everyday consumers.
- Future messaging could place greater emphasis on clarifying permissible water uses while minimizing focus on restrictions, helping the public better understand how they can contribute positively to conservation efforts.
- Enhance preparedness for addressing questions related to external factors such as new sod installation, agricultural activities, restricted water uses, and potential health concerns.
- All stakeholders received uniform information during the event. In future situations, communications could be tailored to address the specific needs and perspectives of different stakeholder groups.
- Broaden the message/event and include stakeholder groups outside of Polk County and Des Moines.
- Guidance on permitted, restricted, and prohibited water uses was unclear, with limited explanation of the causes and short-term impact of rainfall. Stakeholders also requested clarification on water safety for boiling and drinking.
- Conflicting views on engaging Emergency Management
    - There was a challenge with where to post about the press conference/how to get the word out about the location
- Some cities and entities prefer to share communications directly from CIWW, leveraging CIWW's expertise. Other cities and entities prefer to use their own logos and branding for communications.
- Certain member entities disable social media comments when sharing CIWW content to allow CIWW to respond as the primary expert.
- There is a recognized need for consistent and coordinated messaging across all stages of communication.
- Historically, customers have shown limited response to conservation efforts; it remains to be seen whether the current situation will result in behavioral change.
- An ongoing campaign with consistent messaging, supported by subject matter expertise, may improve customer engagement.
- A centralized list of resources or resource library—for example, contacts for legislators or sources of public health information—could be valuable.

- A shared asset library with templates that member organizations can easily utilize would support those without dedicated writing, design, or social media staff.
- Templates should include designated spaces for member organization logos to maintain branding flexibility.

RECOMMENDATIONS

To be updated – Workshops In Progress

Recommendation	Detail	Department
• Establish “Pillars”	• Our mission is grounded in a commitment to clean, safe drinking water.	• Board of Trustees
• Recommendation: Establish pillars to guide decision-making during emergency operations.		
• Set Final Decision	• Should trustees approve/affirm the technical committee’s recommendations?	• Board of Trustees
• Recommendation: Refer to the trustees for discussion. • Set policy for technical committee to follow.		
• Exemptions or Compliance Matters related to 28E agreement	• Granting exemptions or managing compliance issues for member agencies	• Board of Trustees
• Recommendation: Refer to the trustees for discussion. • Include technical committee to provide data and recommendations for decision-making.		
• Water Shortage Plan Implementation vs Emergency	• Considerations should be taken for catastrophic events versus those with a gradual onset or foreseeable problems. Operators should maintain autonomy to exercise emergency decision-making when the ability to provide drinking water in	• Water Operations • Executive Director • Technical Committee • Executive Committee • Board of Trustees

	sufficient quality or quantity is in question.	
• Recommendation: Acknowledgment of differences between the Emergency Provision in the Operating Contract and the Water Shortage Plan.		
• Uniform/Model Policy Recommendation	• Recommend standardized penalties and clarify when violations occur	• Board of Trustees • Member Agencies • Specialized Committee
• Recommendation: Create an ad hoc committee representative of varied stakeholders		
• Roles and Responsibilities	• Create Roles and Responsibilities Document for Committees	• Central Iowa Water Works • Technical Committee • Long Range Planning Committee
• Recommendation: Develop a roles and responsibilities document defining expected deliverables at the close of each meeting, ensuring coordinated and consistent responses across member agencies.		
• Inform Emergency Management	• Provide early updates for Stage I and engage if the situation escalates to Stage II. (Dallas, Polk, Story, and Warren County)	• Central Iowa Water Works
• Recommendation: Refer to the technical committee for workshop in January.		
• Water Shortage Plan Stage Recommendation	• **Stage I:** Move early with ample member agency notice and public communication. • **Stage II:** Consider recommending mandatory components in Stage II or reconfigure future stages to phase in mandatory	• Technical Committee • Board of Trustees

	components to reduce demand sooner. • **Stage III:** Potentially phase portions as needed, with the Technical Committee providing recommendations on what should be phased and the timing. • **Intermediate Stages** Potentially introduce intermediate stages to reduce demand while maintaining safe drinking water standards.	
• Recommendation: Refer to the technical committee for workshop in January		
• Establish Joint Information Center (JIC)	• Ensure the public receives accurate, consistent, and timely messaging from all involved parties by centralizing communications efforts.	• Central Iowa Water Works • Communications • Emergency Management
• Recommendation: Refer to Emergency Management for discussion		
• Invite Communicators to Emergency Management Tabletop	• Provide an opportunity for communicators to participate in Emergency Management meeting in early 2026.	• Communications • CIWW • Emergency Management
• Recommendation: Refer to Emergency Management for discussion		

• Rename Components of Plan	• (Example)Water Shortage Plan → Water Management Plan • (Example) Stage I, Stage II, Stage III → Stage I - Warning, Stage II - Critical, Stage III - Imminent	• Technical Committee • Communications • Board of Trustees
• Recommendation: Refer to Technical Committee for workshop in January		
• Update FAQS to Include Checklists	• Review and update FAQs for Water Shortage Plan activation include checklists at different stages – include very clear instructions specific to communications.	• Technical Committee • Communications
• Recommendation: Refer to Technical Committee/Communications workshop in January		
• Glossary of Terms	• Revisit how critical events and crisis is defined. Agree on escalation level and language.	• Technical Committee • Communications
• Recommendation: Refer to Technical Committee/Communications for workshop in January		
• Service Area Recognition	• Include a service area map in all press releases and member communications.	• Central Iowa Water Works • Communications • Member Agencies
• Recommendation: Refer to communications for discussion		
• Communications with Elected Officials/Member Agency Officials	• Engage member agency communications teams, understand how they communicate with elected	• Central Iowa Water Works

	officials/member agency officials	
• Recommendation: Refer to technical committee/communications for workshop in January		
• Media	• Build media relationships to ensure accurate information is shared from public meetings when news media teams join committee and board meetings.	• Central Iowa Water Works
• Recommendation: Refer to Central Iowa Water Works staff for discussion		
• Outreach	• Engage community leaders to share the message during water events.	• Central Iowa Water Works
• Recommendation: Refer to Central Iowa Water Works staff for discussion		
• Introduce CIWW to Local/Regional Communicators Groups	• Tami to reach out to various communicator groups to ask for time to introduce herself, CIWW, and the role communications of effort play in the communities they serve.	• CIWW
• Recommendation: Refer to Central Iowa Water Works staff for discussion		
• Develop an integrated Crisis Communications Plan	• Develop a plan that includes crisis definitions and scenarios, roles and responsibilities, protocols, initial messaging, logistics and monitoring, etc.	• CIWW • Communications • Technical Committee • Emergency Management

• Recommendation: Refer to technical committee/communications/emergency management for workshop in January		
• Create Professionally Developed Library of Materials	• Create a shared drive and develop a structure of folders, files, and other content that is intuitive to communicators. Consider organizing some assets based on stages or events.	• Communications • Technical Committee • CIWW
• Recommendation: Refer to Central Iowa Water Works staff/communications for discussion		
• Create a List of Resources	• Provide a list of agencies/contacts to refer public inquiries to when they are outside responder's expertise (public health, water science, Department of Natural Resources, etc.) to include in shared drive	• Technical Committee • CIWW
• Recommendation: Refer to Central Iowa Water Works staff for discussion		
• Educational Opportunities for Newly Elected Officials and Communications Professionals	• Water treatment plant tours and water academy	• Contract Operators • Central Iowa Water Works
• Recommendation: Refer to Central Iowa Water Works staff/contract operators for discussion		
• Focus on Lawn Watering Conservation Practices	• Begin Messaging Lawn Watering Conservation Practices Early	• Communications • Central Iowa Water Works

		• Water Usage Best Practices Committee
• Recommendation: Partner with media, member agencies, and others to create an educational campaign related to lawn watering conservation practices.		

APPENDIX

To be updated with final draft

Water Shortage Plan

SCHEDULE XIX-1
WATER SHORTAGE PLAN

The Water Shortage Plan below is adopted by CIWW effective as of the Operational Commencement Date. Such Water Shortage Plan may be amended by Board action at any time

A. INTRODUCTION

This plan will apply to all CIWW Member Agencies and shall be implemented by each Member Agency with its customers.

The intent of the CIWW Water Shortage Plan is to manage system demand so customers do not experience pressure, quality, or availability issues during periods of extreme water demand or during other times when water availability may be limited due to other events, such as raw water shortage, water quality events, or mechanical failures.

The goal at each stage in the plan is to reduce CIWW system demands to 85% or less of the "Current Capacity" of CIWW to produce safe drinking water, as defined in this plan.

The premise of Stage I is that reducing lawn watering is the most effective way to reduce demand without undue hardship during periods when lawn watering is a significant source of demand. Stage I may be skipped if a water shortage occurs during a time of year when lawn watering demand is not significant.

The premise of Stage II is that particularly high demand may occur when heavy lawn watering events occur. Stage II may be skipped if a water shortage occurs during a time of year when lawn watering is not significant.

The premise of Stage III is that lawn watering comprises the most readily curtailed use during water shortage events. Stage III may be skipped if a water shortage occurs during a time of year when lawn watering demand is not significant.

Limiting consumption to a representative average of off-peak months, plus or minus a small allowance, will result in a significant demand reduction compared to peak consumption. This is the premise of Stage IV.

The stages of this plan are not necessarily consecutive. When a water shortage occurs the stage deemed most appropriate for the conditions will be implemented.

B. CURRENT CAPACITY TO PRODUCT SAFE DRINKING WATER AND EXPECTED PEAK DEMAND

1. Current Capacity. The current capacity to produce safe drinking water on any day is referred to "Current Capacity" or C Total. Current Capacity is defined as the amount of water CIWW can deliver on any day taking into consideration raw water availability and quality, seasonal treatment efficacy, and any mechanical or operational issues on that given day. The number will vary seasonally and may vary day to day depending

on specific water quality and operational conditions. Current Capacity is computed as the sum of the daily 140 capacities of the individual CIWW source treatment plants and may be expressed in the following formula:

C Total = C Fleur + C McMullen + C Saylorville + C WDMWW + C Polk City + C Grimes + any new plant capacity

Current Capacity will be evaluated on a daily basis when there is potential for a water shortage. Producers responsible for CIWW water production will perform the daily evaluation and report the Current Capacity in Million Gallons per Day.

2. Expected Peak Demand. "Expected Peak Demand" is defined as the peak daily demand that is expected by CIWW without implementation of water shortage measures under this plan.

C. PLAN STAGE I: VOLUNTARY 25% REDUCTION IN LAWN WATERING

1. Trigger. During a period of substantial lawn watering demand, when Expected Peak Demand reaches 90% of Current Capacity or system demand is generating a high number of areas with low pressure, or there are other indications that without wise usage of water, a shortage could occur.

2. Anticipated Impact. It is anticipated that Stage I will most likely be triggered during peak awn watering season. In a typical year lawn watering can account for as much as 40% of demand on a peak day. If this is the case, a 25% reduction in lawn watering will result in a 10% reduction in total demand.

3. Goal. A 10% reduction in CIWW system demands as compared to Expected Peak Demand.

4. Actions.

(a) Request a metro wide 25% reduction in lawn watering.
(b) Encourage customers to optimize their lawn watering systems so water is not directed onto impervious surfaces and lawns are not overwatered.
(c) Continued reinforcement that customers water on alternate days and excluding Mondays (historically a peak demand day), by a system under which even numbered addresses water only on Wednesday, Friday and Sunday, and odd-numbered addresses water only on Tuesday, Thursday, and Saturday.
(d) Suspend all hydrant flushing programs except for water quality purposes.
(e) Request that City officials minimize high water use activities such as street sweeping and watering golf course fairways.
(f) Coordinate with Member Agencies to ensure they are relaying the same message.

5. Enforcement. There will be no enforcement at this stage.

D. STAGE II: VOLUNTARY 50% REDUCTION IN LAWN WATERING

1. Trigger. During a period of substantial lawn watering demand, after Stage I has been implemented and failed to achieve an adequate reduction in consumption, when

Expected Peak Demand exceeds 90% of Current Capacity, or system demand continues to generate areas of low pressure, or there are other indications that without further reductions in demand, a shortage could occur.

2. Anticipated Impact. It is anticipated that Stage II will most likely be triggered during the peak outdoor water use season. In a typical year, lawn watering can account for as much as 40% of demand on a peak day. If this is the case, a 50% reduction in lawn watering will result in 20% reduction in total demand.

3. Goal. A 20% reduction in system demands as compared to Expected Peak Demand.

4. Actions. Request customers further reduce water consumption by taking the following measures in addition to those implemented in Stage I:

(i) Request a metro wide 50% reduction in outdoor water use.
(ii) Remind customers to optimize their lawn watering systems so water is not directed onto impervious surfaces and turf is not overwatered.
(iii)Reinforce the recommendation for customers to irrigate on alternate days and excluding Mondays.
(iv) Encourage wise use of water during outdoor activities including washing cars, playing in the sprinkler, playing with water toys, and filling swimming pools.
(v) Encourage wise use of water indoors including identifying and repairing leaking fixtures, washing only full loads in dishwashers and washing machines, shorter showers, etc.
(vi) Coordinate with Member Agencies to ensure they are relaying the same message.
(vii) Request that public agencies (City, County, or State) set an example by: Closing recreational facilities with known water inefficiencies and suspend the operation of decorative fountains.

5. Enforcement. There will be no enforcement at this stage.

E. STAGE III: LAWN WATERING PROHIBITED AND NO USE OF AUTOMATIC LAWN WATERING SYSTEMS

1. Trigger. During a period of substantial lawn watering demand, after Stage I and Stage II have been implemented and failed to achieve an adequate reduction in consumption, when Expected Peak Demand exceeds 90% of Current Capacity, or system demand continues to generate areas of low pressure, or there are other indications that without further reductions in demand, a shortage could occur.

2. Anticipated Impact. It is anticipated that Stage III will most likely be triggered during peak lawn watering season. In a typical year, lawn watering can account for as much as 40% of demand on a peak day. If this is the case, prohibiting lawn watering will result in 40% reduction in total demand.

3. Goal. A 40% reduction in system demands as compared to Expected Peak Demand.

4. Actions. Require members to further reduce water consumption by suspending all lawn watering and the use of all automatic lawn watering systems of their customers. This reduction is in addition to all steps implemented in Stage I and Stage II. The requirement for placing new sod should be suspended until Stage III is lifted.

5. Enforcement. Customers observed by CIWW or Member Agencies watering their lawn in violation of this policy will be notified. If lawn watering is not suspended within 48 hours, water service will be terminated by the Member Agency and any published fees will apply. Water service will be restored only upon receipt of an undertaking by the customer that the customer understands and will comply with the mandatory conservation measures. Any subsequent violation will result in further termination of service. In addition, the use of water for lawn watering in violation of this plan shall be deemed an unauthorized use of water and Charges for the Unauthorized Use of Water/Metering Tampering shall apply and must be paid before water service will be restored.

F. STAGE IV: WATER RATIONING

1. Trigger. During periods of substantial lawn watering demand, or other potential shortage after Stage I, Stage II, and Stage III have been implemented and failed to achieve an adequate reduction in consumption, when Expected Peak Demand exceeds 90% of Current Capacity, or system demand is generating a high number of areas with low pressure, limited source water supply, or there are other indications that without wise usage of water, a shortage could occur. Stage IV may also be invoked, without resort to Stages I through III, if Expected Peak Demand for any reason and/or limited source water supply cannot be addressed by the measures contemplated by Stages I through III.

2. Anticipated Impact. It is anticipated that Stage IV will only be triggered in the event of a significant and severe water shortage, or other event, which severely reduces capacity relative to demand. In this case a reduction in demand to the lowest level which will meet public health and safety standards and, when reasonably possible, animal health and safety standards for livestock producers will be sought.

The definition of a "livestock producer" is the same as stated in 7 U.S.C. § 1471(1) to be "(A) a person that is actively engaged in farming and that receives a substantial amount of total income from the production of grain or livestock, as determined by the Secretary, that is:
(i) an established producer or husbander of livestock or a dairy producer who is a citizen of, or legal resident alien in, the United States; or
(ii) a farm cooperative, private domestic corporation, partnership, or joint operation in which a majority interest is held by members, stockholders, or partners who are citizens of, or legal resident aliens."

3. Goal. A reduction in system demands as compared to Expected Peak Demand sufficient to allow the CIWW to meet public health and safety standards, and when reasonably possible, animal health and safety standards.

4. Actions. Water rationing measures will be required to be implemented by all Member Agencies and enforced by application of an Emergency Water Shortage Rate.

In order to implement such a demand, Member Agencies in consultation with the CIWW Technical Committee shall set a target level for demand consistent with its Current Capacity and shall use such target to establish a “Rationed Demand” as defined in this Plan. All Member Agencies will be responsible for asking their customers to reduce their consumption to a level to meet the “Stage IV Rationed Demand”. Member Agencies will be expected to initiate efforts to reduce consumption above such level and will be charged at the Emergency Water Shortage Rate intended to strongly discourage consumption above such level.

a. Water rationing shall consider livestock health and safety needs. The expected decrease for members supplying such needs shall be set by the Technical Committee taking into consideration livestock health and safety needs.

b. At Stage IV, Member Agencies with alternative available sources of water meeting state drinking water stands shall supplement and/or replace CIWW water from those sources.

5. Enforcement. “Stage IV Rationed Demand” means for each Member Agency will be responsible for implementing measures to ensure this Rationed Demand is not exceeded. Should the “Stage IV Rationed Demand” be exceeded, the Member Agency will be subject to an Emergency Water Shortage Rate which will be equal to 10 times the established variable rate for any amount in excess of the Rationed Demand.

Crisis Communications Plan

To be updated with final draft

REFERENCES

American Water Works Association. (2025, March 10). *Cyanobacteria/cyanotoxins*. https://www.awwa.org/resource/cyanobacteria-cyanotoxins/

Environmental Protection Agency. (2015). *Drinking water health advisory for the cyanobacterial microcystin toxins*. United States Environmental Protection Agency Office of Water (4304T), Health and Ecological Criteria Division. https://www.epa.gov/sites/default/files/2017-06/documents/microcystins-report-2015.pdf

Environmental Protection Agency. (2025, December 1). *National Primary Drinking Water Regulations*. EPA. https://www.epa.gov/ground-water-and-drinking-water/national-primary-drinking-water-regulations

Preliminary Member Demand Projections & Capacity Requests Update

December 10, 2025

CIWW
CENTRAL IOWA WATER WORKS

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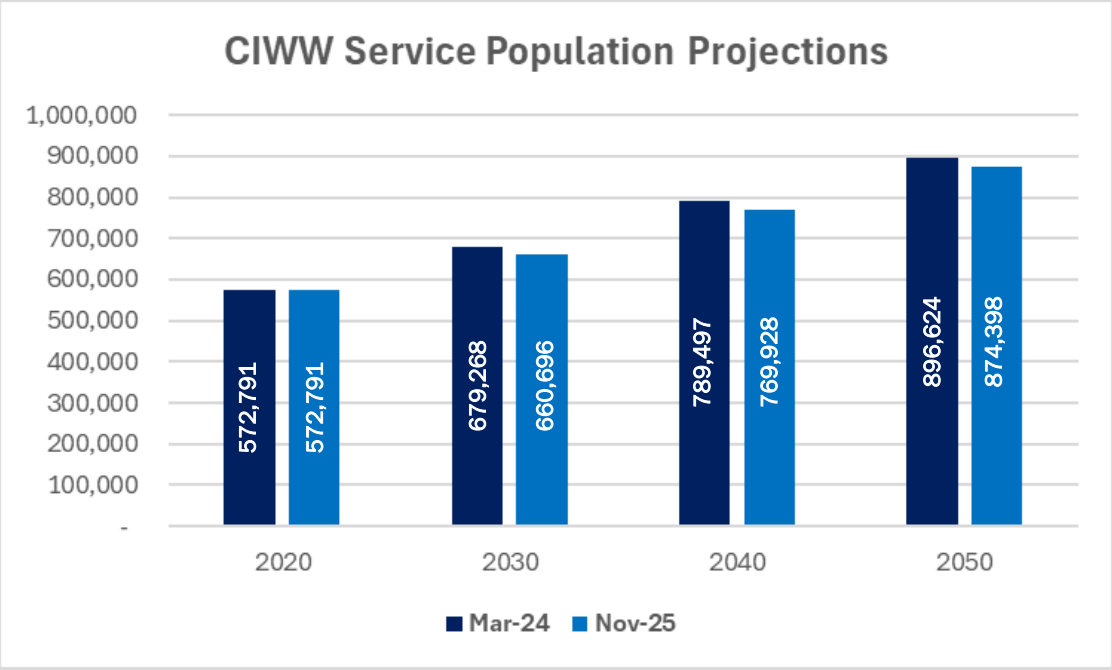
Overview

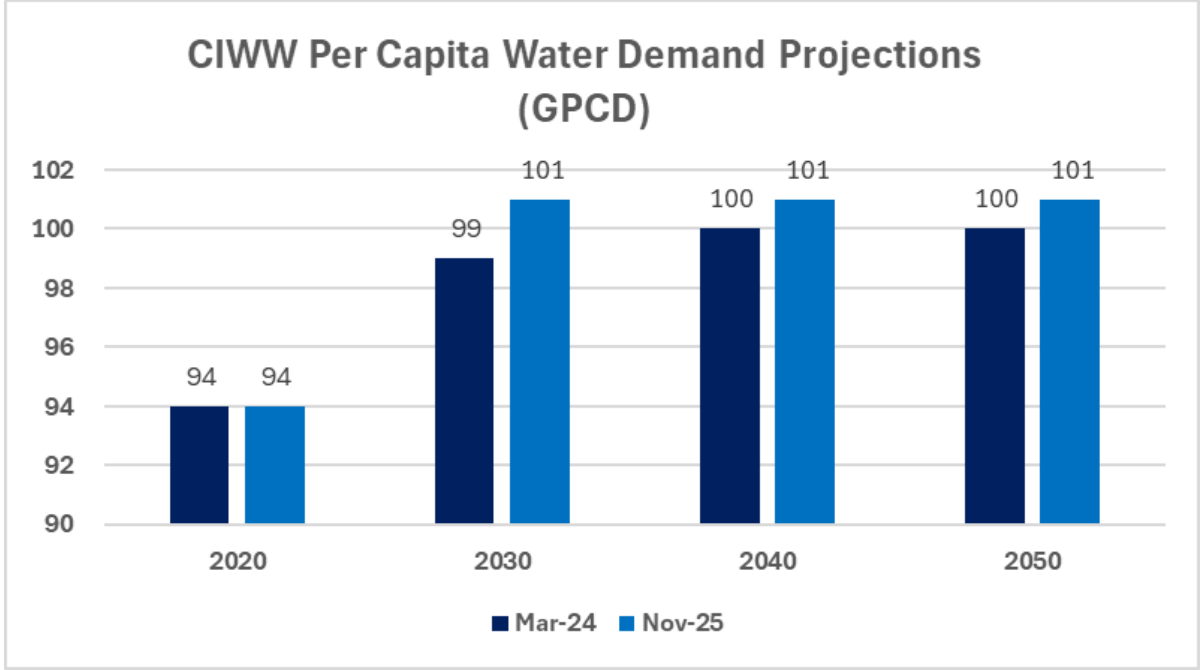
- **Projections and Capacity Request Update:**
  - Projections and capacity requests solicited from Members in October and November
  - AE2S reviewed submitted projection and capacity request information and updated master projections spreadsheet
- **Discussion Today to Focus on Following:**
  - Results of updated Member projections in comparison to prior submissions
  - Preliminary analysis of projection differences and key drivers
  - Review of capacity requests relative to updated projections, near-term expansion (i.e. West and Grimes), and long-term expansion (i.e. Saylorville II)
  - Discussion on next steps to synthesize Member requests with anticipated capacity availability

Updated Water Demand Projections

- Water Demand Projections Update – Member Provided Data:
  - Population Projections
  - Per Capita Demands
  - Peaking Factors
  - Industrial Reserves
  - ASR Availability
- All updated projections performed with a consistent 15% Buffer Capacity Requirement

Updated Water Demand Projections





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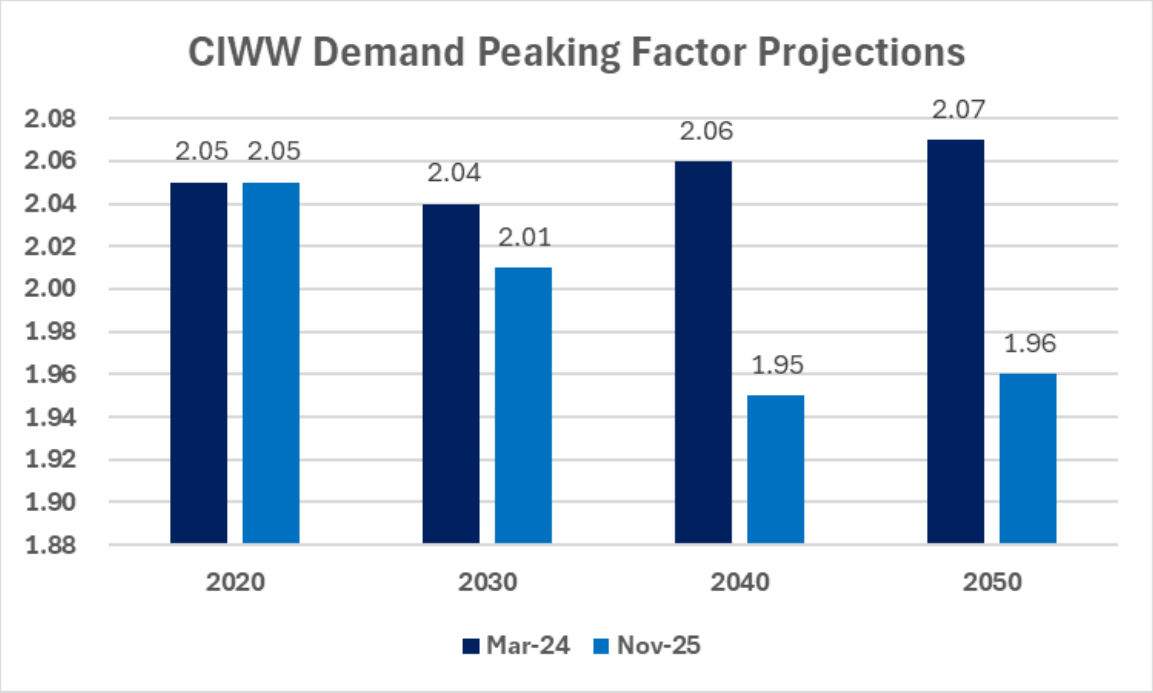
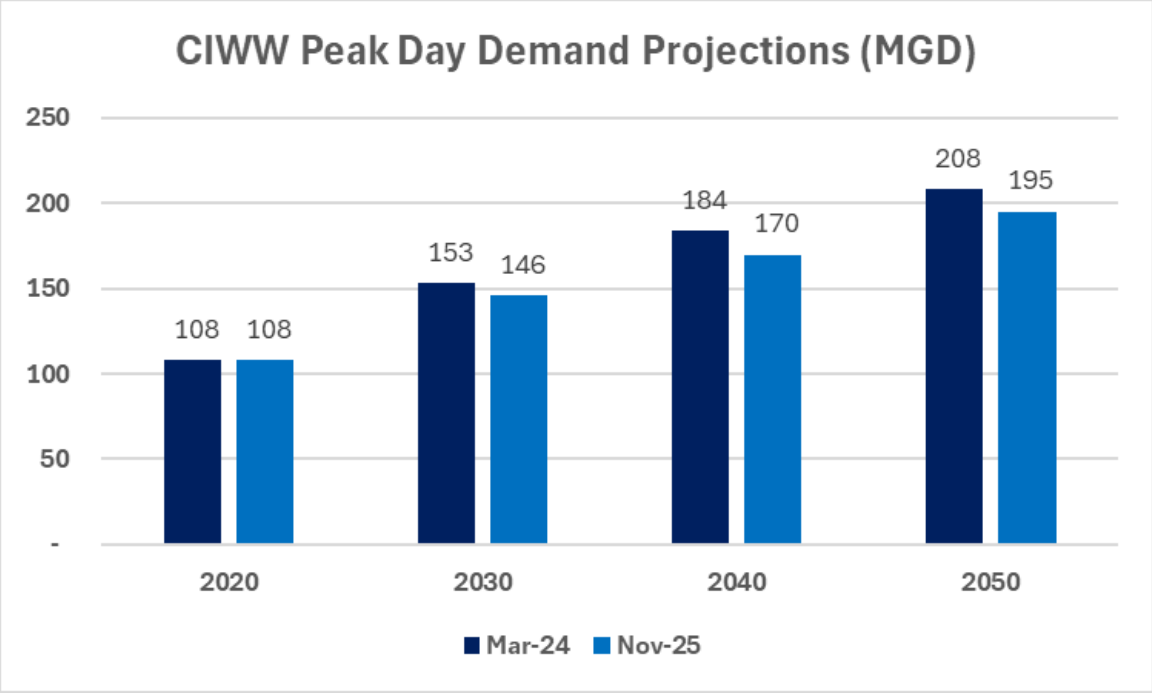
Updated Water Demand Projections





Update Water Demand Projections – Summary Takeaways

- **Population Projections** – Combined Member reductions of approximately 2.5% by 2050
- **Per Capita Water Demands** – Increased slightly over previous projection
- **Peak Day Demand Factor** – Reduced by over 5% by 2050
- **Projected Peak Day Demand** – Down nearly 8% by 2040 compared to previous

Updated Water Demand Projections – Observations

Population Projections:

- Most Member projections were relatively consistent to slightly lower than previous projection.

Per Capita Water Demands:

- Changes were varied amongst the Members – some slightly down or up, some reduced or increased significantly.

Peak Day Demand Factor:

- Some Member future peaking factor reductions were significant – reduced nearly 30% in some instances.

Projected Peak Day Demand:

- Majority of Members (9 of 12) showed reduced peaking factors which is driving down future peak day demand projections.

ASR Availability:

- Some members also showed ASR availability that differs from 28E/F Agreement. (primarily increases 2030 demand and reduces 2040 and 2050 Peak Demands)

Preliminary Projections vs. CIWW Capacity

Member projections currently exceed anticipated CIWW total system capacity of ***144.50 MGD after the Saylorville Expansion*** as follows:

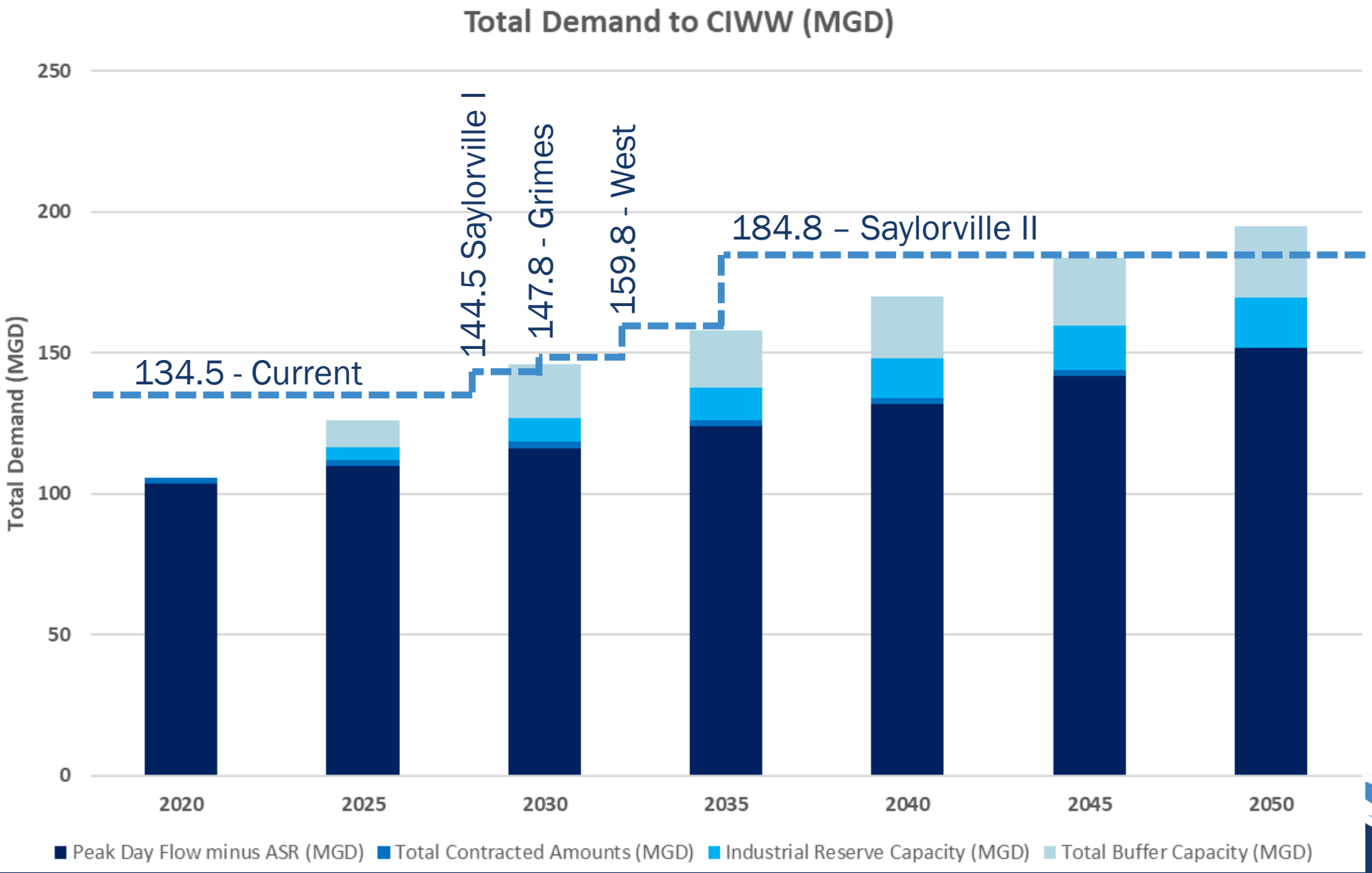
- 2030 Capacity Deficit Projection:
  - 144.50 – 146.08 (2030 Projection) = -1.58 MGD
- 2040 Capacity Deficit Projection:
  - 144.50 – 170.04 (2040 Projection) = -25.54 MGD

CIWW Projected Capacity Availability (MGD)

Expansion	Projected Capacity Availability Timeframe*	Expansion Capacity (MGD)	CIWW Total Capacity (MGD)
Current Capacity	2025	-	134.5
Saylorville	2029	10.0	144.5
Grimes	2030	3.3	147.8
West	2032	12.0	159.8
Saylorville II	2035	25.0	184.8

*Per current completion estimate timeframes and December 2024 HDR *CIWW Regional Water Treatment Facility Study*

Member Projections vs. Planned Expansions



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Current Member Request Summary (MGD)	Projected 2030 Capacity Surplus (Deficiency) with Saylorville Allocation*	Capacity Request Current (Low)	Projected 2040 Capacity Surplus (Deficiency) with Saylorville Allocation*	Capacity Request Current (High)
Ankeny	4.557	0.00	(0.585)	0.00
Clive	(0.367)	0.50	(0.468)	0.60
DMWW Totals	(3.724)	9.10	(9.137)	12.8
Grimes	(0.381)	0.50	(2.911)	1.00
Johnston	(0.671)	1.70	(2.975)	1.70
Norwalk	(0.781)	0.781	(3.563)	3.563
Polk City	0.194	0.50	(0.378)	0.50
Urbandale Water	0.127	0.75	0.199	0.75
Warren Water	(0.187)	0.50	(0.700)	0.50
Waukee	1.081	1.00	(0.071)	1.50
WDMWW	(2.380)	2.38	(5.545)	5.55
Xenia Rural Water	0.957	0.00	0.588	0.00
Totals	(1.58)	17.71	(25.54)	28.46

Preliminary Member Capacity Requests

*Note – Capacity surplus (deficiency) values include full 15% buffer requirement for all Members

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Preliminary Member Capacity Requests from West and Grimes Expansions

Current Member Request Summary (MGD)	2040 Surplus (Deficiency) with Saylorville Allocation*	Capacity Request (Low)	Capacity Request (High)
Totals	-25.54	17.7	24.8
West and Grimes Expansion Capacity (MGD)		15.3	
Grimes/West Capacity Request Surplus (Deficit)		(2.4)	(9.5)

*Projected 2040 capacity availability in comparison to updated 2040 Member projections

Preliminary Member Capacity Requests

Key Takeaways:

- Capacity requests exceed projected 15.3 MGD available from West and Grimes Expansions
- There are inconsistencies in how the members are requesting capacity allocations. Members had questions about future allocation requests and when it could be expected to do this exercise again.
- All Members are requesting enough capacity to meet their 2030 Projections
- Some members submitted capacity requests on a low/high basis related to Saylorville II Expansion availability by 2040.

Preliminary Member Capacity Requests

Key Takeaways Cont.:

- If requesting to 2040, some members projected to be within their buffer capacity
- Member projections include ASR projections that differ from what was provided in the 28E/F Agreement:
  - ASR availability decreased by 2.10 MGD in 2030 (13.4 MGD current vs. 15.5 MGD previous)
  - ASR availability increased by 5.25 MGD in 2040 (20.75 MGD current vs. 15.5 MGD previous)

Next Steps

- Work to achieve consistency across the Members on the methodology for developing projections and capacity requests.
- Draft a memo providing an update to the capacity allocation working group of the preliminary findings.
- Review historical water use data trends for each Member to assist CIWW in validating current projections.
- Assist CIWW in the development of final allocation framework and provide a final recommendation for the Board of Trustees consideration.

Next Steps

Meet with each Member Agency one-on-one to review:

- Updated Projections
- Validate Intent of Capacity Requests
- Preliminary Capacity Cost Projections

Draft Agenda for Member One-on-One Discussions:

1. **Discussion and Verification of Updated Projections and Capacity Request**
   a. Review Current Capacity Request to Establish Consensus
   b. Review of Previous vs. Current Projections
   c. Discuss Projections Assumption Changes
2. **Preliminary Cost Projections for High-Low Requests**
3. **Discuss Cost Comparison of Capacity Purchase vs. Excess Water Use Penalty (if incurred)**
4. **Capacity Allocation Framework Moving Forward**
   a. Near-term vs. Long-term Allocations
   b. Discuss Capacity Request Proportioning Considerations
   c. Other Member Considerations/Comments
5. **Next Steps and Further Data Needs**
   1. Data Request to Build-out CIWW System Projections – Historical Water Use